



US Army Corps
of Engineers
Seattle District

Public Notice of Application for Permit

Regulatory Branch
Post Office Box 3755
Seattle, Washington 98124-3755
Telephone (206) 764-3495
ATTN: Jack Kennedy, Project Manager

Public Notice Date: March 1, 2006
Expiration Date: April 1, 2006
Reference: 200500927
Name: WSDOT

Interested parties are hereby notified that the Seattle District, U.S. Army Corps of Engineers (Seattle District) has received an application for a Department of the Army permit in accordance with Section 404 of the Clean Water Act for certain work described below and shown on the enclosed drawings.

APPLICANT: Washington State Department of Transportation
Northwest Region
15700 Dayton Avenue North
Seattle, Washington 98133
ATTN: Ben Brown
Telephone: (206) 440-4528

AGENT: Washington State Department of Transportation
Bellingham Project Office
460 Stuart Road
Bellingham, Washington 98226
ATTN: Amanda Azous
Telephone (360) 788-7453, e-mail: azousa@wsdot.wa.gov

LOCATION: In a construction corridor in and near Bellingham, Whatcom County, Washington. The corridor crosses five streams: a tributary to Squalicum Creek, a tributary to Silver Creek, Deer Creek, Tenmile Creek, and Fourmile Creek. All the affected wetlands are associated with one of these creeks.

WORK: The overall project involves widening a 4.6 mile segment of SR 539 from its current 2-lane configuration (one lane in each direction with gravel shoulders of varying widths) to 5 lanes (2 in each direction plus a center turning lane) and 8-foot wide shoulders and sidewalks. Other project elements would include reconstructing an intersection, signalization and illumination, reconfiguring the stormwater drainage system, and replacing two bridges. If issued, this permit would be valid for 5 years.

The work would put fill in all or part of 61 wetlands within the project corridor. While most (48) of these wetlands are roadside swales dominated by reed canarygrass, the wetlands include other palustrine emergent, scrub/shrub, and forested wetlands. All affected wetlands are listed, south to north, on the enclosed sheets 1a, 1b, and 1c. The third column on each of those sheets shows the sheet number of the enclosed drawings displaying that particular wetland's plan view.

Work under the jurisdiction of Section 404 of the Clean Water Act includes the following:

- Place fill or otherwise affect 6.67 acres of 61 wetlands
- Place fill in 0.20 acre of 56 other roadside ditch segments jurisdictional under the Headwaters Inc. v Talent Irrigation District court decision.
- On both sides of the road corridor, lengthen the three existing culverts on the tributary to Squalicum Creek, the tributary to Silver Creek, and Deer Creek.
- On the east side of the project, reroute the tributary to Silver Creek.
- Construct new, wider bridges to carry the widened roadway across Tenmile Creek and Fourmile Creek

In all, 824 lineal feet of stream impacts would occur from culverting and bridging, with an impact area affecting 0.24 acre of currently sunlit riparian corridor.

An additional 1.15 acres of wetland would experience temporary impacts during construction, mostly vegetation crushing due to equipment access. Also, 5.97 acre of wetland buffer areas would be affected. The three existing culverts on the tributary to Squalicum Creek, the tributary to Silver Creek, and Deer Creek would be lengthened on both sides, and the tributary to Silver Creek would be rerouted on the east side of the project. The two bridges across Tenmile Creek and Fourmile Creek would be replaced with 53-foot wide cast-in-place structures which would span the respective channels. In all, 824 lineal feet of stream impacts would occur from culverting and bridging, with an impact area affecting 0.24 acre of currently sunlit riparian corridor.

PURPOSE: The purpose of the proposal is to increase traffic capacity of the SR 539 corridor, reduce traffic congestion, and improve roadway safety.

ADDITIONAL INFORMATION: Copies of this public notice which have been physically distributed feature project drawings in black and white. The electronic version features those drawings in color, which we think more accurately communicates the scope of project impacts. To access the electronic version of this public notice, go to the Seattle District's web page at <http://www.nws.usace.army.mil/> and scroll down the alphabetical listing of District elements, and click on "Regulatory" and then "Regulatory - Permits" for the Seattle District's Regulatory homepage. Select the prominently displayed "Public Notices" heading and a list of recently-issued public notices will appear, in chronological order of the date of issuance. Select the listing for this Washington State Department of Transportation project by clicking on the blue file number, 200500927.

MITIGATION: To compensate for the permanent loss of 6.67 acres of wetlands, affects on 5.97 acres of wetland buffer areas and 0.24 acre of riparian corridor, the applicant has proposed mitigation at two sites.

At Larson Road, in the southern third of the SR 539 project area, Stream 0143 passes south under Larson Road, and then south and west across a 2.5 acre parcel and offsite to the west. The applicant would remove invasive vegetation and contour the parcel, and plant selected stocks of native vegetation. The goal is to create 0.37 acre of riverine wetland with a forested community, and enhance 1.12 acres of emergent wetland (currently dominated by reed canarygrass) into a forested and scrub-shrub community. The Larson Road mitigation plans are depicted on page 24 of the drawings.

At a second site, the Sterk Mitigation Site 4000 feet east of the project area, the applicant will take the northern half of a 36-acre site and:

- Reestablish or create 1.05 acre of palustrine forested wetland along the banks of Tenmile Creek
- Reestablish or create 12.06 acre of scrub-shrub wetland from an existing cropped field
- Establish 7.81 acres of wetland buffer

During the Spring of 2006, the applicant will remove drain tiles from the site, and install groundwater monitoring wells. Information obtained from the wells will be used to refine the mitigation site contours and final design. Information about the Sterk Mitigation Site appears on pages 49, 50, and 51 of the Public Notice drawings. Additional information appears in a document entitled *Draft Wetland and Stream Mitigation Report SR539 Widening Project Horton Road to Tenmile Road (MP 1.68 to MP 6.26)*, dated January 2006. The document is available upon request from the applicant, and can be reviewed at the Seattle District's Regulatory office.

ENDANGERED SPECIES: The Endangered Species Act (ESA) requires federal agencies to consult with the National Marine Fisheries Service (NMFS) and/or U.S. Fish and Wildlife Service (USFWS) pursuant to Section 7 of ESA on all actions that may affect a species listed (or proposed for listing) under the ESA as threatened or endangered or any designated critical habitat. Bull trout and Chinook salmon, both listed as "threatened" in the state of Washington, may occur in the proposed project area. For both species, critical habitat has been designated. The Federal Highway Administration, as the lead agency for ESA consultation, has consulted with the NMFS and the USFWS as required under Section 7 of the ESA. FHWA has determined that the project falls into the category of *may affect, not likely to adversely affect* bull trout or Chinook salmon, and will have *no effect* on critical habitat of either species. USFWS concurred with those determinations on April 16, 2003 and NMFS concurred on February 4, 2003. Additional consultation may need to occur for the proposed mitigation at the Sterk site.

ESSENTIAL FISH HABITAT: The Magnuson-Stevens Fishery Conservation and Management Act requires all Federal agencies to consult with the NMFS on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed action would impact approximately 2 acres of EFH for Pacific salmon, Groundfish, and Coastal Pelagic Species in the project area.

The Federal Highway Administration, as the lead agency for a determination regarding EFH, will consult with the National Marine Fisheries Services if necessary.

CULTURAL RESOURCES: The Federal Highway Administration, as the lead agency for determining compliance with Section 106 of the National Historic Preservation Act, will consult with the State Historic Preservation Office as appropriate. This public notice initiates consultation under Section 106 of the National Historic Preservation Act (36 CFR 800.4[a][3]), with any Tribe that has information or concerns with historic properties in the proposed permit area.

PUBLIC HEARING: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

EVALUATION: The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers is soliciting comments from the public; Native American Nations or tribal governments; Federal, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for the work. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

The proposed discharge will be evaluated for compliance with guidelines promulgated by the Environmental Protection Agency under authority of Section 404(b)(1) of the Clean Water Act. These guidelines require an alternatives analysis for any proposed discharge of dredged or fill material into waters of the United States.

ADDITIONAL EVALUATION: The State of Washington is reviewing this work (for consistency with the approved Washington Coastal Zone Management Program)(and for compliance with the applicable State and Federal water quality standards pursuant to Section 401 of the Clean Water Act).

This proposal is the subject of a Shorelines Substantial Development Permit number SHR2005-00021, currently being processed by Whatcom County.

COMMENT AND REVIEW PERIOD: Conventional mail or e-mail comments on this public notice will be accepted and made part of the record and will be considered in determining whether it would be in the public interest to authorize this proposal. In order to be accepted, e-mail comments must originate from the author's e-mail account and must include on the subject line of the e-mail message the permit applicant's name and reference number as shown below. All e-mail comments should be sent to jack.kennedy@nws02.usace.army.mil. Conventional mail comments should be sent U.S. Army Corps of Engineers, Regulatory Branch, Post Office Box 3755, Seattle, Washington, 98124-3755. Both conventional mail and e-mail comments must include the permit applicant's name and reference number, as shown below, and the commentor's name, address, and phone number. All comments whether conventional mail or e-mail must reach this office, no later than the expiration date of this public notice to ensure consideration. Please include the following name and reference number:

WSDOT, 200500927

Encl
Drawings (54)



N.A.D. 83/91 (HORIZ)
N.A.V.D. 88 (VERT)

END PROJECT
SR 539 MP 6.26
STA. 269+00

TEN MILE CREEK
DRAINAGE SUBBASIN

DEER CREEK
DRAINAGE SUBBASIN

SILVER CREEK
DRAINAGE SUBBASIN

FOUR MILE CREEK
DRAINAGE SUBBASIN

TEN MILE CREEK
DRAINAGE SUBBASIN

DEER CREEK
DRAINAGE SUBBASIN

SQUALICUM CREEK
DRAINAGE SUBBASIN

BEGIN PROJECT
SR 539 MP 1.64
STA. 24+50

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION,
AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT
TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA
ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK,
FOUR MILE CREEK
DATE: JANUARY 19, 2006



Washington State
Department of Transportation

SHEET: 1 OF: 51

SR 539, Horton Rd to Tenmile Rd

Description of Impacts to Wetlands

Wetland Complex	Wetlands in Complex	ACOE Sheet #	Wetland area (acres)	Direct Wetland Impact (acres)	Indirect Wetland Impact (acres)	USFWS Wetland Classification	Ecology Wetland Category	Description
1	A	9	0.135	0.029	0.106	PEM	III	15-foot width dominated by reed canarygrass and supported by stormwater run-off gets filled for stormwater culverts the remaining portion of the wetland will be drained by the culvert.
	B	9	0.127	0.052	0.075	PEM	III	20-foot width dominated by reed canarygrass and supported by stormwater run-off gets filled for sidewalks & stormwater culverts. The remaining portion of the wetland will be drained by the culvert.
	A2	9	0.005	0.005	0.000	PEM	IV	Small ditch dominated by reed canarygrass gets filled for an 8-foot wide shoulder and sidewalk
	B2	9	0.010	0.010	0.000	PEM	IV	Small ditch dominated by reed canarygrass gets filled for an 8-foot wide shoulder and sidewalk
	C	11	1.000	0.162	0.000	PEM	III	Small ditch dominated by reed canarygrass along the west side of the wetland gets filled for 8-foot wide shoulders and sidewalks.
	C2	13	0.534	0.061	0.000	PEM	II	NW corner of dominated reed canarygrass wetland gets excavated for stormwater pond.
	X	11	3.500	0.185	0.000	PFO	II	25-foot width of forested wetland fed by Stream 0553 gets filled for 8-foot wide shoulder and sidewalks.
	Y	10	3.500	0.107	0.000	PFO	II	20-foot long reed canarygrass filled for sidewalk. Detention pond constructed excavates 0.095 acres of the NE corner forested wetland.
2	D	14	0.226	0.157	0.070	PEM	III	25-foot width dominated by reed canarygrass gets filled for 8-foot shoulders, sidewalk and part of the additional 12-foot travel lane. The next 10-foot width gets excavated for ditch to collect adjacent property run-off.
	D2	14	0.033	0.022	0.000	R2SB/PEM	IV	140-foot length of ditch dominated by reed canarygrass that collects stormwater along Kline Road gets filled for sidewalk and a filter strip.
	D3	14	0.048	0.043	0.005	PEM/PSS	IV	Small ditch dominated by reed canarygrass gets filled for 12-foot travel lane, 8-foot shoulder and sidewalk.
	D4	14	0.005	0.005	0.000	PEM/PSS	IV	Small ditch dominated by reed canarygrass gets filled for 12-foot travel lane.
	D5	15	0.003	0.003	0.000	PEM/PSS	IV	Small ditch dominated by reed canarygrass gets filled for 12-foot travel lane.
	C3	14	0.036	0.000	0.000	PEM/PSS	IV	No impacts
	E	15	3.000	0.249	0.000	PEM/PSS	III	20-foot width dominated by reed canarygrass with patches of shrub gets filled for 8-foot shoulder and sidewalk. The next 15-feet is excavated for ditch to collect adjacent property run-off.
	F	15	1.000	0.106	0.000	PEM/PSS	III	20-foot width dominated by reed canarygrass with patches of shrub gets filled for 8-foot shoulder and sidewalk. The next 15-feet is excavated for ditch to collect adjacent property run-off.
	F2	15	0.037	0.026	0.012	PEM/PSS	III	60-foot ditch and small wetland both dominated by reed canarygrass gets filled for additional 12-foot travel lane, 8-foot shoulder and sidewalk. Behind sidewalk is excavated for ditch to collect adjacent property run-off
	G	17	0.041	0.023	0.017	PEM	III	60-foot ditch and small wetland both dominated by reed canarygrass gets filled for additional 12-foot travel lane, 8-foot shoulder and sidewalk. Behind sidewalk is excavated for ditch to collect adjacent property run-off
3	W	15	1.700	0.088	0.000	PSS	III	14-foot width of forested wetland gets filled for sidewalk
	V	17	0.611	0.049	0.000	PEM	III	15-foot width dominated by reed canarygrass and willows gets filled for sidewalk.
	H	17	0.665	0.620	0.045	PEM	III	25-foot width dominated by reed canarygrass and red alder gets filled for bus pullout and shoulder. 25-foot width on south and east side are filled for access to the pond. The rest of the wetland is excavated for the detention pond.
	I	19	1.874	0.334	0.000	PEM	III	25-foot width dominated by reed canarygrass gets filled for additional 12-foot travel lane and 8-foot shoulders. Next 10-foot width is excavated for ditch to collect adjacent property run-off

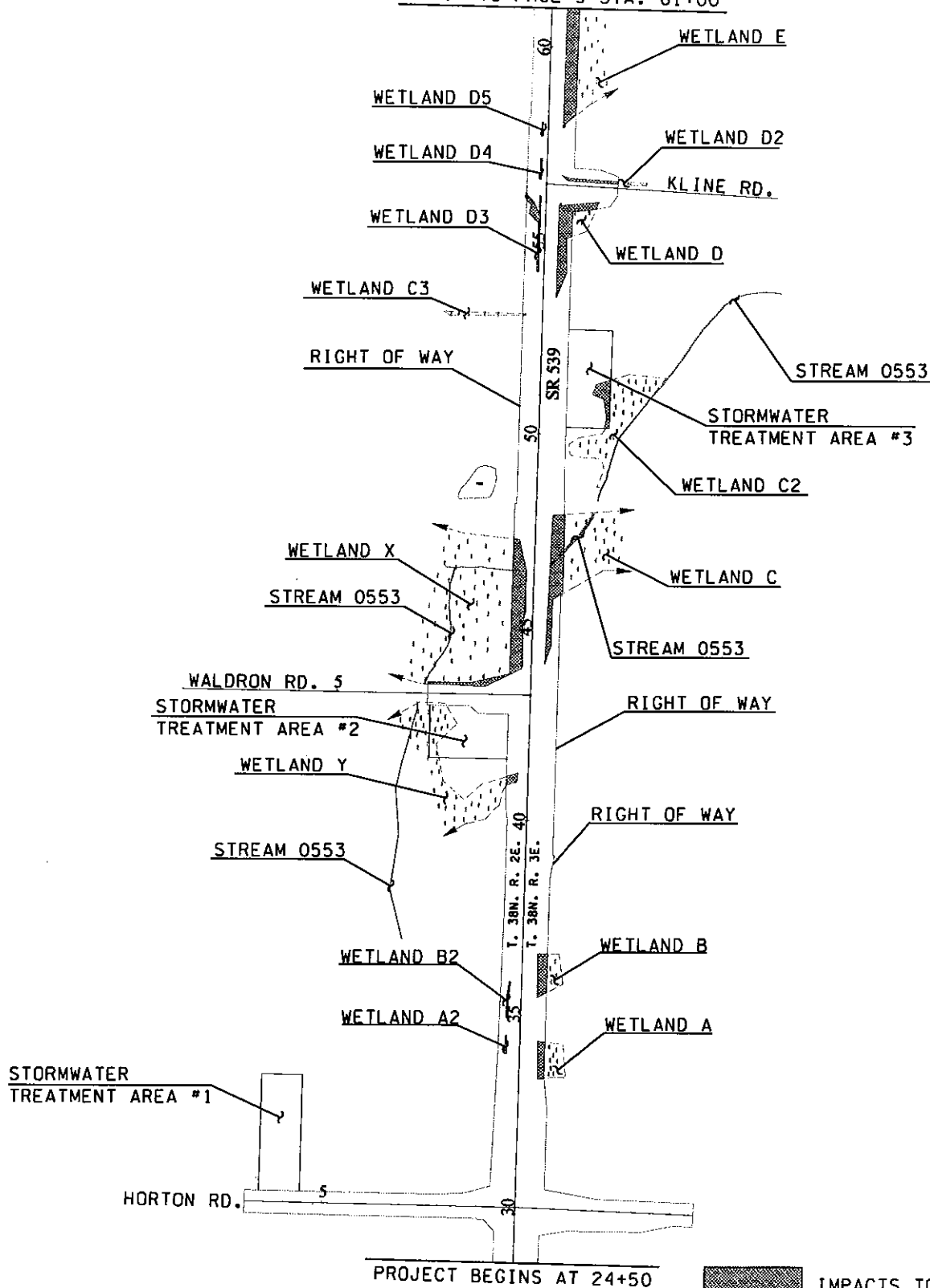
SR 539, Horton Rd to Tenmile Rd
Description of Impacts to Wetlands

4	U-2	20	0.207	0.000	0.000	PEM	III	No impacts
	NEA	20	0.377	0.078	0.000	PEM	IV	22-foot width dominated by reed canarygrass with patches of douglas spiraea and creeping buttercup gets filled for 12-foot travel lane, 8-foot shoulder and filter strip. Next 6-foot width gets excavated for ditch to collect adjacent property run-off
	NEB	20	0.007	0.007	0.000	PEM	IV	Small ditch dominated by reed canarygrass gets filled for an 12-foot travel lane
	N4	20	0.027	0.019	0.000	R2SB-PEM-PSS	IV	25-foot width dominated by reed canarygrass with scattered black rwinberry and pacific ninebark gets filled for 12-foot travel lane, 8-foot shoulders and filter strip. The next 10-feet gets excavated for a ditch to collect adjacent property run-off
5	N5	22	0.250	0.021	0.000	R2SB-PEM-PSS	III	25-foot width of douglas spiraea, reed canarygrass and black cottonwood saplings gets filled for 12-foot travel lane, 8-foot shoulders and filter strip. The next 10-feet gets excavated for a ditch to collect adjacent property run-off
	N6	22	0.100	0.096	0.004	R2SB-PEM-PSS	III	Dominated by reed canarygrass with trace creeping buttercup, the west side to the center gets filled for 12-foot travel lane and shoulder. To the east gets excavated for ditch to collect adjacent property run-off
6	J	25	0.102	0.091	0.010	PEM	III	West side of wetland dominated by reed canarygrass gets filled for 8-foot shoulder. East of shoulder will be excavated for stream 0143 realignment.
	J2	25	0.014	0.014	0.000	R2SB-PEM	III	90-foot ditch dominated by reed canarygrass along north side of Larson Rd gets filled for roadway widening. The other part of J2 is a 70-foot ditch dominated by reed canarygrass along west side of SR 539 gets filled for 12-foot travel lane.
	K	26	0.037	0.022	0.015	PEM	III	Dominated by reed canarygrass with water parsley and small-fruited bulrush gets filled for 12-foot travel lane and 8-foot shoulder. East side excavated for Stream 0143 realignment.
	K3	26	0.084	0.084	0.000	R2SB-PEM	III	Dominated by reed canarygrass gets filled for 12-foot travel lane and 8-foot shoulder.
	U	23	1.509	0.189	0.000	PEM-PSS	III	35-foot width dominated by reed canarygrass along east side gets filled for additional 12-foot travel lane and 8-foot shoulders. NE corner gets filled to increase turning radius and add filter strip. 20-foot width on North side gets filled for widening along Larson Rd and filter strip. The remaining portion will be enhanced.
7	SR2	29	8.400	0.006	0.000	R2SB-PEM-PSS	III	252 ft ² of NW corner, dominated by reed canarygrass, red alder saplings, black cottonwood saplings, douglas spiraea and scouler's willow gets excavated for ditch.
	SR3	29	0.500	0.005	0.000	R2SB-PEM-PSS	II	228 ft ² of SW corner, dominated by black cottonwood and red alder trees gets excavated for ditch.
8	K4	30	1.500	0.128	0.000	R2SB-PEM-PSS	III	17-foot width dominated by soft rush gets filled for 8-foot shoulder.
	K5	31	0.400	0.023	0.000	R2SB-PEM-PSS	IV	Wetland is dominated by reed canarygrass, slough sedge, douglas spiraea and willows. The roadside ditch portion gets filled for 12-foot travel lane. Ditch along south side of driveway gets filled for 8-foot shoulder and filter strip. East of that gets excavated for ditch to collect adjacent property run-off.
	K6	31	0.064	0.064	0.000	R2SB-PEM	IV	30-foot width dominated by slough sedge and reed canarygrass gets filled for 12-foot travel lane, 8-foot shoulder and filter strip. The remaining portion gets excavated for ditch to collect adjacent property run-off.
	K7	31	0.006	0.006	0.000	R2SB-PEM	IV	Small roadside ditch dominated by slough sedge and reed canarygrass gets filled for 12-foot travel lane.
	K8	31	0.009	0.009	0.000	R2SB-PEM-PSS	IV	Small roadside ditch dominated by cattail with scattered reed canarygrass gets filled for 12-foot travel lane.
	K9	31	0.400	0.000	0.000	R2SB-PEM-PSS	III	No impacts
	Z1	31	0.007	0.007	0.000	R2SB-PEM-PSS	IV	Small roadside ditch dominated by reed canarygrass gets filled for 12-foot travel lane.

SR 539, Horton Rd to Tenmile Rd
Description of Impacts to Wetlands

9	K-2	34	0.551	0.267	0.000	PEM	III	240-foot strip of roadside ditch dominated by reed canarygrass and soft rush gets filled for 12-foot travel lane. The rest of the impacted area is filled for access road to pond.
	Z2	33	0.031	0.031	0.000	PEM	IV	Small roadside ditch dominated by reed canarygrass and soft rush gets filled for 8-foot shoulder.
	Z3	33	0.172	0.044	0.000	PEM	III	Ditch along roadside dominated by reed canarygrass, cattail, douglas spiraea, himalayan blackberry, willows and red alder saplings gets filled for 8-foot shoulder.
	Z4	33	0.069	0.069	0.000	PEM	IV	Roadside ditch dominated by reed canarygrass, cattail, douglas spiraea, himalayan blackberry, willows and red alder saplings gets filled for 8-foot shoulder.
	Z5	33	0.059	0.059	0.000	PEM	IV	Roadside ditch dominated by reed canarygrass with some cattail and douglas spiraea gets filled for 8-foot shoulder.
10	L	35	20.000	0.039	0.000	R2SB/PEM	II	60-foot width of a riparian fringe wetland adjacent to Deer Creek dominated by reed canarygrass, Japanese knotwood and small cherry trees gets filled for larger box culvert.
	L2	35	20.000	0.068	0.000	III	III	70-foot width of a riparian fringe wetland adjacent to Deer Creek dominated by reed canarygrass, Japanese knotwood and small cherry trees gets filled for larger box culvert.
11	M	35	0.043	0.043	0.000	PEM	IV	Swale like emergent wetland dominated by reed canarygrass gets filled for 8-foot shoulders.
12	N	38	0.052	0.046	0.006	PEM	IV	Dominated by reed canarygrass gets filled for 8-foot shoulder and sidewalks.
	N2	38	0.145	0.096	0.049	R2SB/PEM	III	Wetland is dominated by reed canarygrass, soft rush and douglas spiraea. The segment that is a roadside ditch along south side of Axton Rd gets filled for wider shoulders. To the south gets excavated for ditch to collect run off from Axton Rd and adjacent properties.
	N3	38	0.115	0.029	0.000	R2SB/PEM	IV	35-foot width dominated by slough sledge with lesser amounts of reed canarygrass, creeping buttercup, soft rush and red fescue gets filled for bus pullout and sidewalk.
13	O	39	5.000	0.384	0.000	PEM	III	These wetlands are located in valley between Axton Rd and Laurel Rd, operated by SR 539, dominated by reed canarygrass and seasonally grazed and/or mowed. Additional fill is required in both wetland to add another 12-foot travel lane and 8-foot shoulder in each direction.
	T	39	4.000	0.358	0.000	PFO/PEM	III	
14	T2	42	22.000	0.081	0.000	R2SB/PEM	III	Portion of wetland encompasses a ditch adjacent to West Laurel Rd, dominated by reed canarygrass with sparse black cottonwood and red alder trees gets filled for 4-foot shoulder and filter strip. To south of fill area, gets excavated for ditch to collect run-off from West Laurel Rd and adjacent properties.
15	T3	43	1.000	0.115	0.000	R2SB/PEM/PSS	IV	35-foot width dominated by reed canarygrass gets filled for slope to support the additional bus pullout and 12-foot travel lane.
16	S	44	30.000	0.025	0.000	R2SB/PEM	III	Riparian fringe wetland adjacent to Tenmile Creek dominated by reed canarygrass, himalayan blackberry, willows, douglas spiraea and pacific ninebark gets filled for bridge replacement that will add 2, 12-foot travel lanes, a 13-foot two way left turn lane and 8-foot shoulders.
	Q	44	30.000	0.032	0.000	R2SB/PEM	III	
17	P	46	7.062	1.229	0.000	R2SB/PEM/PSS	II	Riparian fringe wetland adjacent to Fourmile Creek that extends over 100 feet from creek, dominated by reed canarygrass with sparse small-fruited bulrush gets filled for bridge replacement that will add 2, 12-foot travel lanes, a 13-foot two way left turn lane and 8-foot shoulders. NW corner of wetland gets excavated for detention pond.
	R	46	0.500	0.033	0.000	R2SB/PEM/PSS	III	Riparian fringe wetland adjacent to Tenmile Creek dominated by reed canarygrass with sparse small-fruited bulrush gets filled for bridge replacement that will add 2, 12-foot travel lanes, a 13-foot two way left turn lane and 8-foot shoulders.

MATCH TO PAGE 3 STA. 61+00



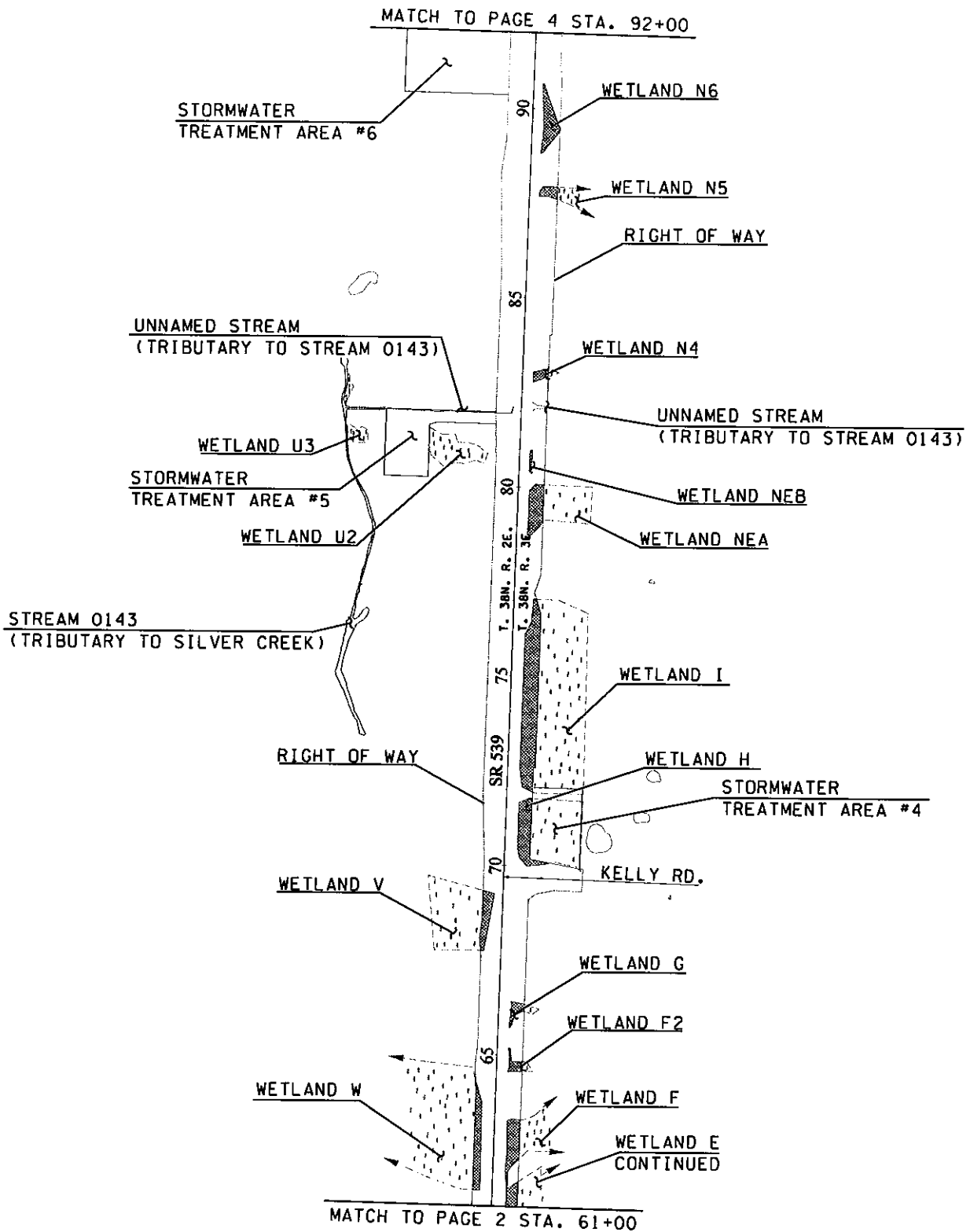
PROJECT BEGINS AT 24+50

IMPACTS TO CRITICAL AREAS

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
 PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
 LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
 DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
 ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
 APPLICANT: WSDOT
 COUNTY: WHATCOM
 NEAR: BELLINGHAM
 WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
 DATE: JANUARY 19, 2006

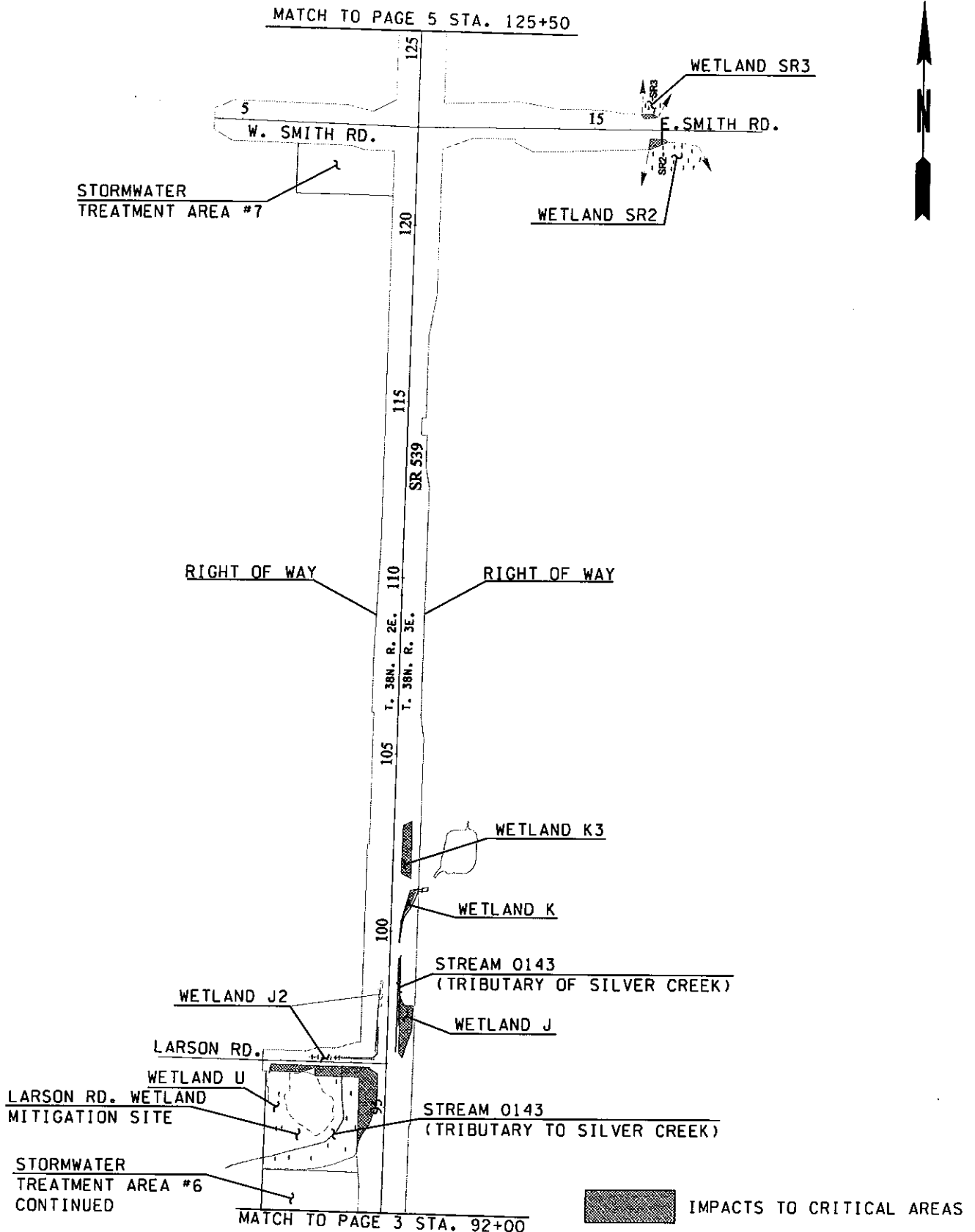

Washington State
Department of Transportation
 SHEET: 2 OF: 51



PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
 PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
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REFERENCE: 200500927
 APPLICANT: WSDOT
 COUNTY: WHATCOM
 NEAR: BELLINGHAM
 WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
 DATE: JANUARY 19, 2006

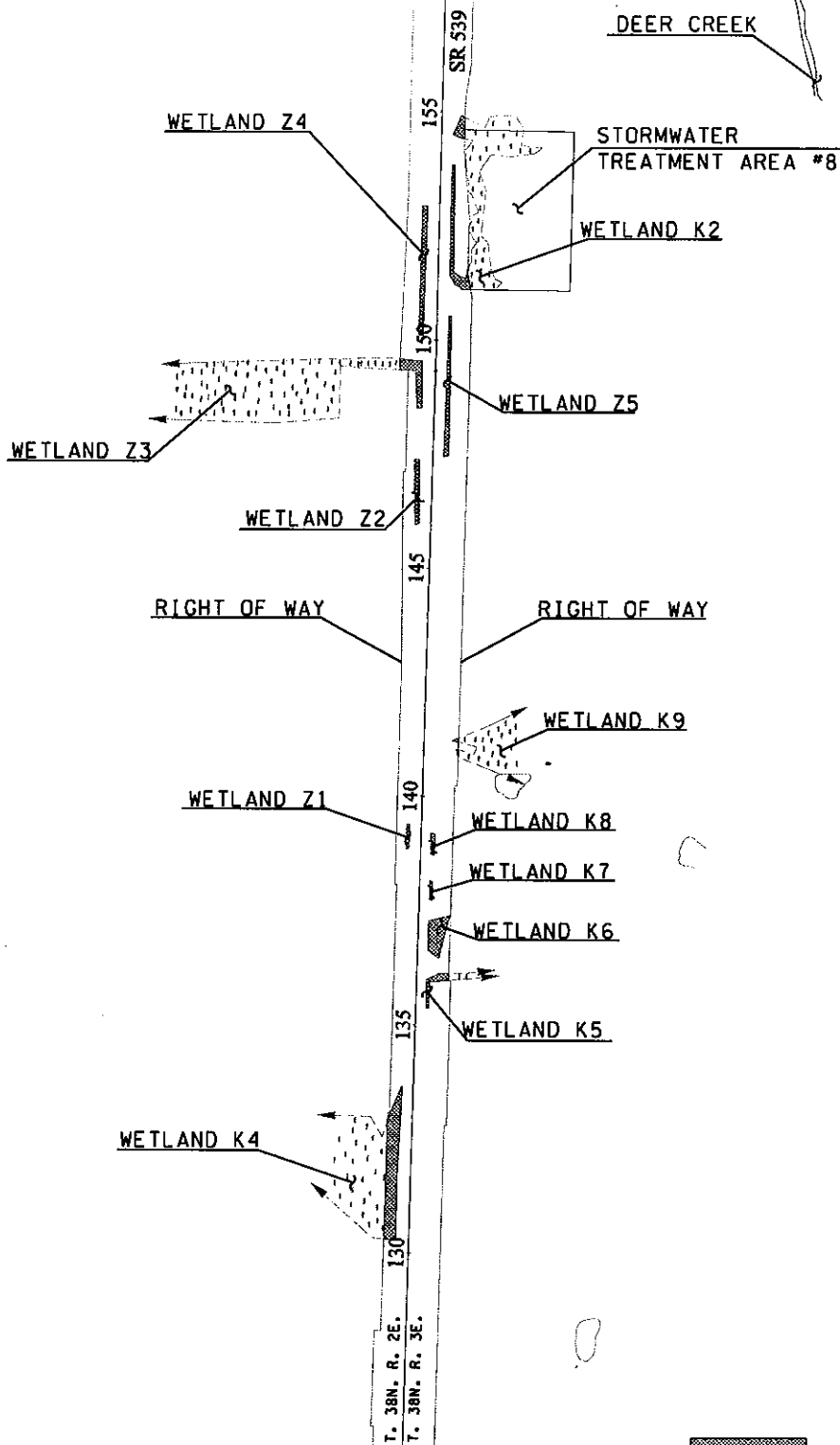
IMPACTS TO CRITICAL AREAS



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REFERENCE: 200500927
 APPLICANT: WSDOT
 COUNTY: WHATCOM
 NEAR: BELLINGHAM
 WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
 DATE: JANUARY 19, 2006

MATCH TO PAGE 6 STA. 157+50



MATCH TO PAGE 4 STA. 125+50

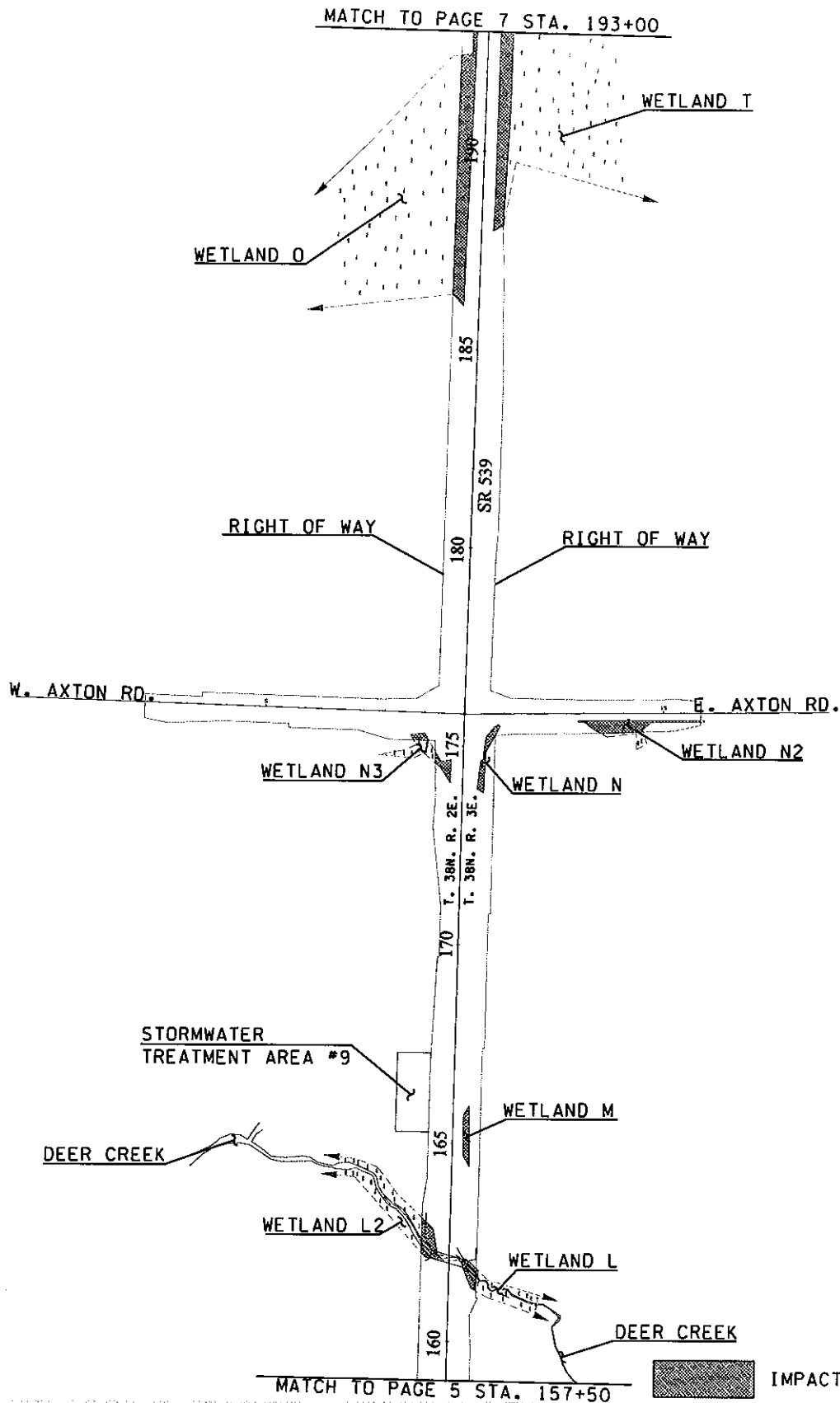


IMPACTS TO CRITICAL AREAS

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
 PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
 LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
 DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
 ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
 APPLICANT: WSDOT
 COUNTY: WHATCOM
 NEAR: BELLINGHAM
 WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
 DATE: JANUARY 19, 2006


 Washington State
 Department of Transportation
 SHEET: 5 OF: 51

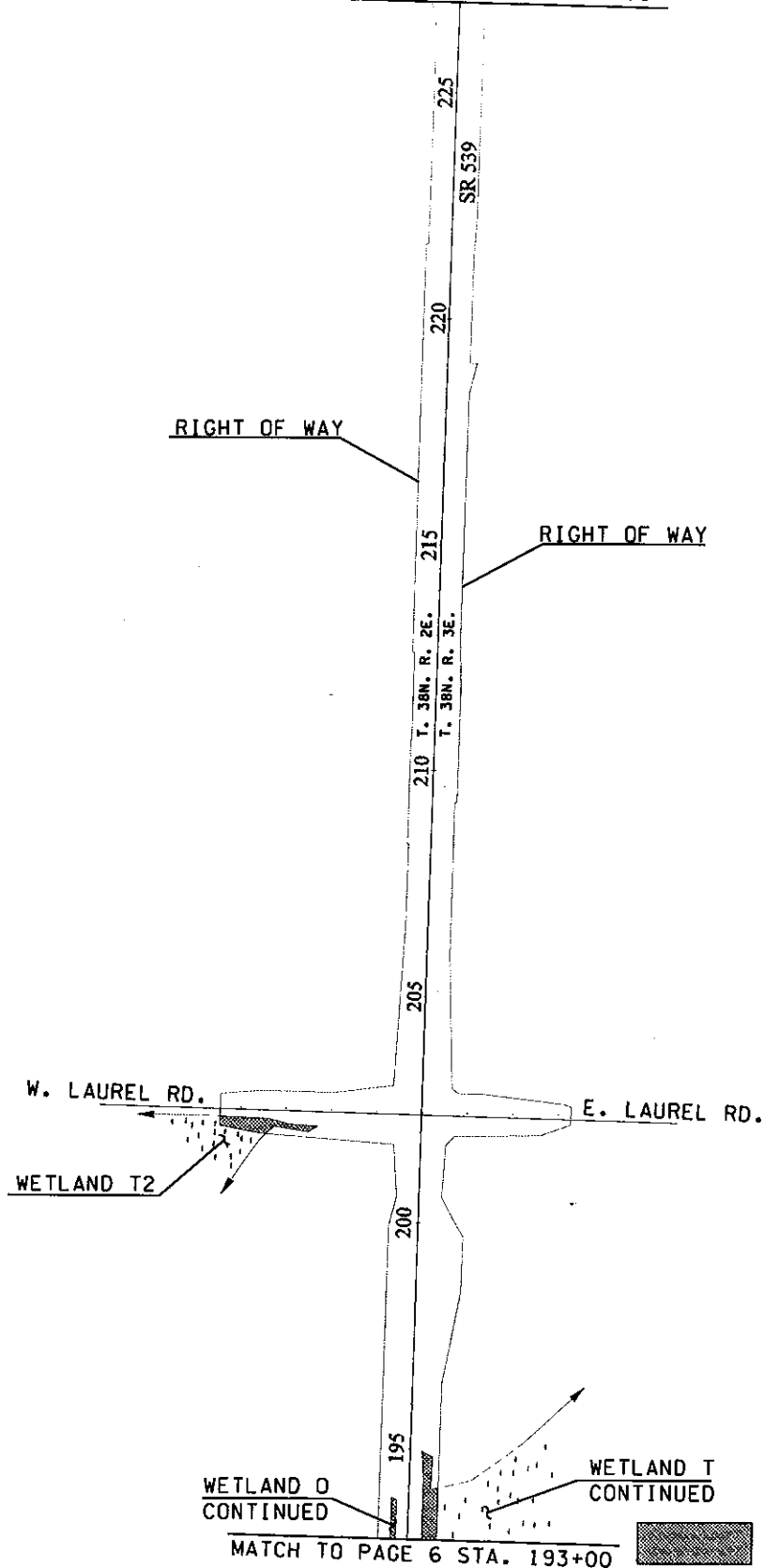


PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
 PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
 LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
 DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
 ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
 APPLICANT: WSDOT
 COUNTY: WHATCOM
 NEAR: BELLINGHAM
 WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
 DATE: JANUARY 19, 2006

IMPAIRMENTS TO CRITICAL AREAS

MATCH TO PAGE 8 STA. 227+00



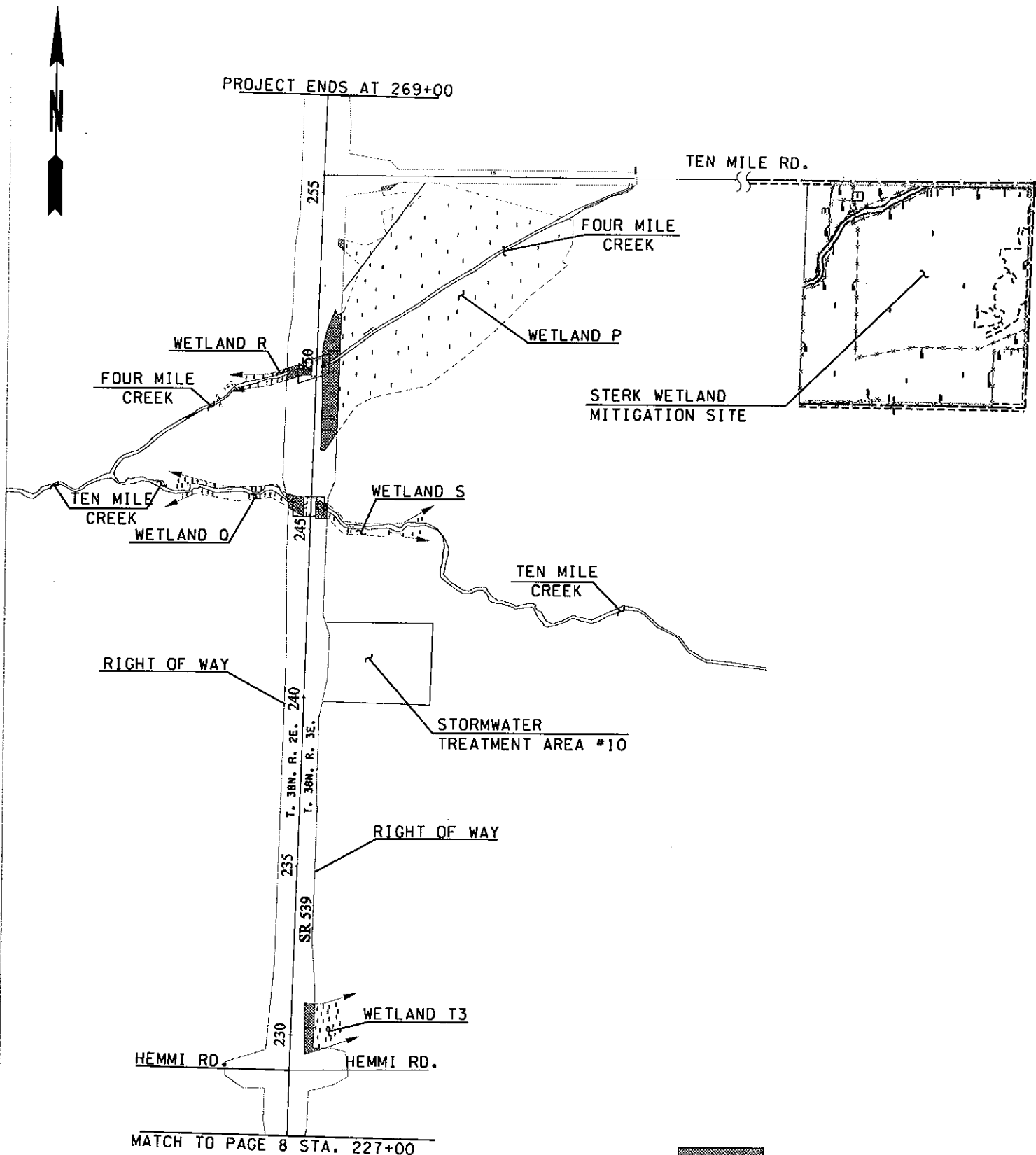
MATCH TO PAGE 6 STA. 193+00

IMPACTS TO CRITICAL AREAS

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA
ATTACHMENT B


REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK,
FOUR MILE CREEK
DATE: JANUARY 19, 2006

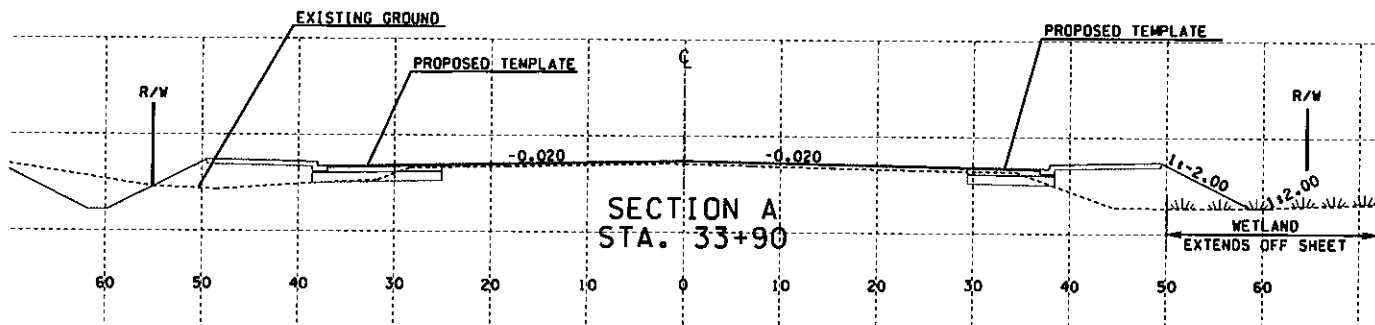
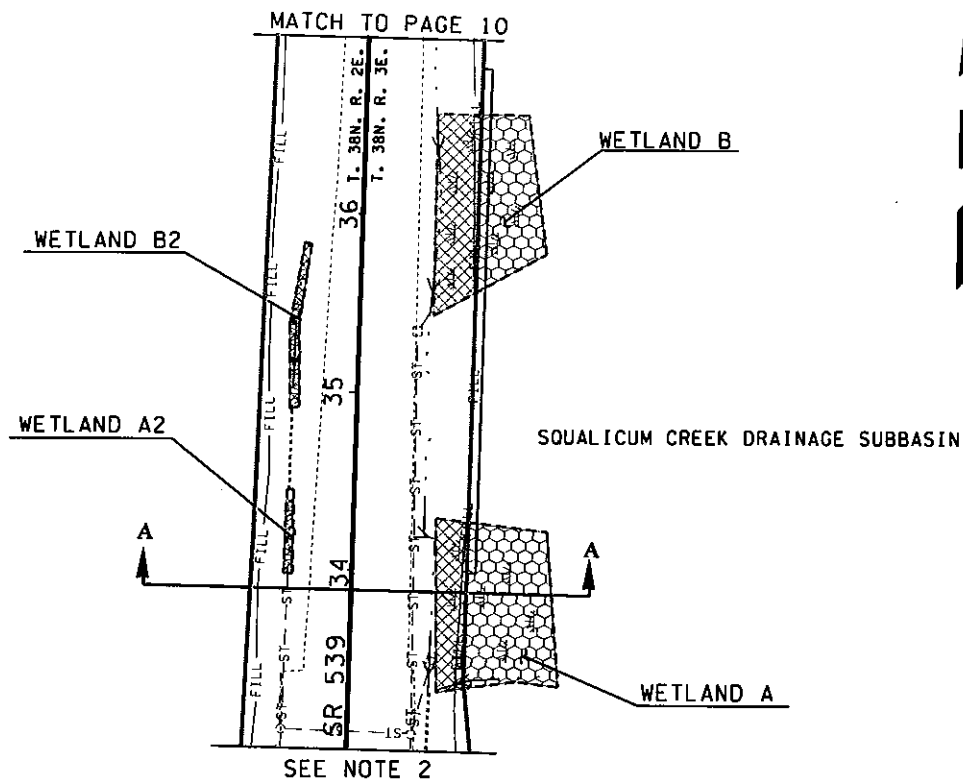

Washington State
Department of Transportation
SHEET: 7 OF: 51



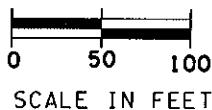
PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
 PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
 LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
 DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
 ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
 APPLICANT: WSDOT
 COUNTY: WHATCOM
 NEAR: BELLINGHAM
 WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
 DATE: JANUARY 19, 2006


Washington State
Department of Transportation
 SHEET: 8 OF: 51



LEGEND	
—> EXISTING DITCH	INDIRECT WETLAND IMPACT
--- EXISTING EDGE OF PAVEMENT	TEMP. IMPACTED WETLAND
----- EXISTING CULVERT	DIRECT WETLAND IMPACT
— RIGHT OF WAY BOUNDARY	IMPACTED STREAM
--- WETLAND BOUNDARY	TEMP. IMPACTED STREAM

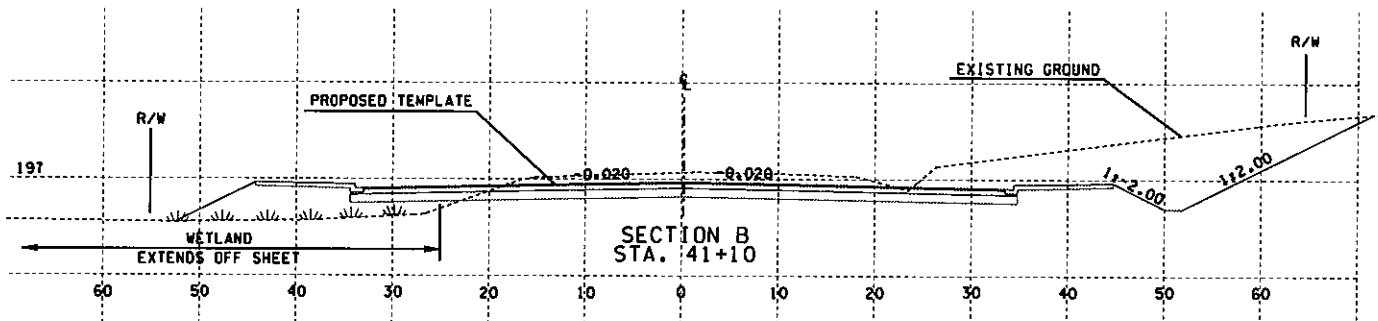
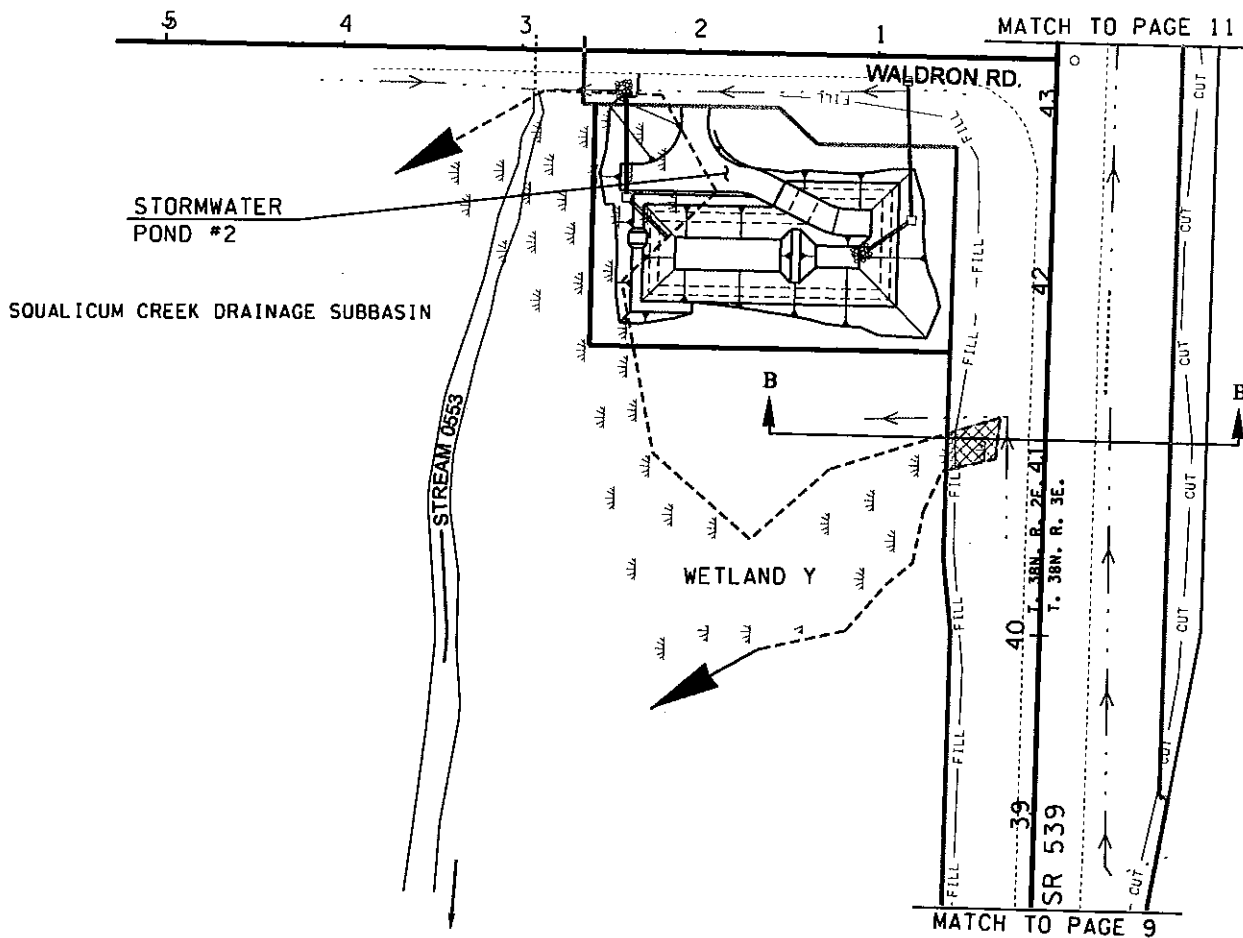


NOTE:
1. PROJECT BEGINS AT
STA. 24+50

QUANTITIES ARE IN ACRES				
NO.	A	B	A2	B2
WETLAND AREA	.135	.127	.005	0.010
WETLAND IMPACT	.029	.052	.005	0.010
TEMP WETLAND IMPACT	0	0	0	0
INDIRECT WETLAND IMPACT	.106	.075	0	0
DDE CATEGORY	3	3	4	4
% WETLAND IMPACT	100%	100%	100%	100%

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

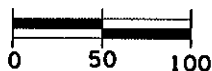
REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006



NOTE:
1. FOR STREAM 0553 IMPACTS
SEE PAGE 12
2. WETLAND EXTENDS OUTSIDE
PROJECT VICINITY

LEGEND

—>—	EXISTING DITCH		INDIRECT WETLAND IMPACT
----	EXISTING EDGE OF PAVEMENT		TEMP. IMPACTED WETLAND
-----	EXISTING CULVERT		DIRECT WETLAND IMPACT
=====	RIGHT OF WAY BOUNDARY		IMPACTED STREAM
-----	WETLAND BOUNDARY		TEMP. IMPACTED STREAM

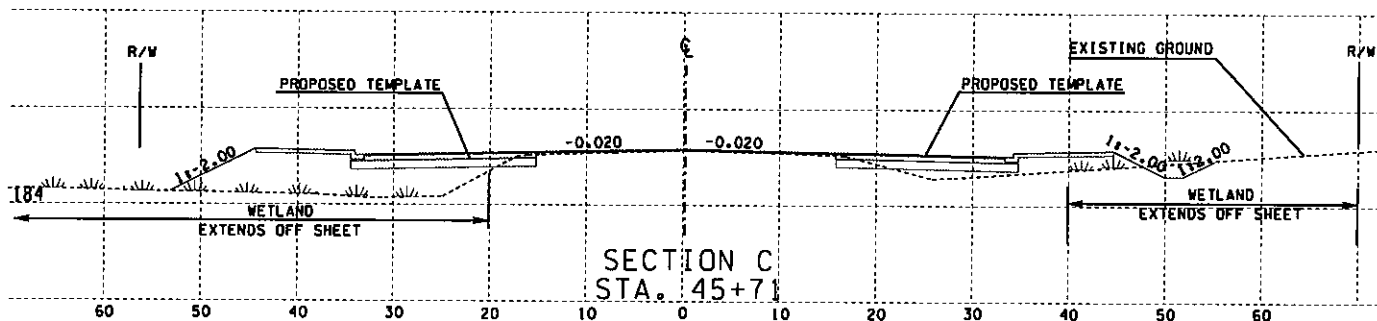
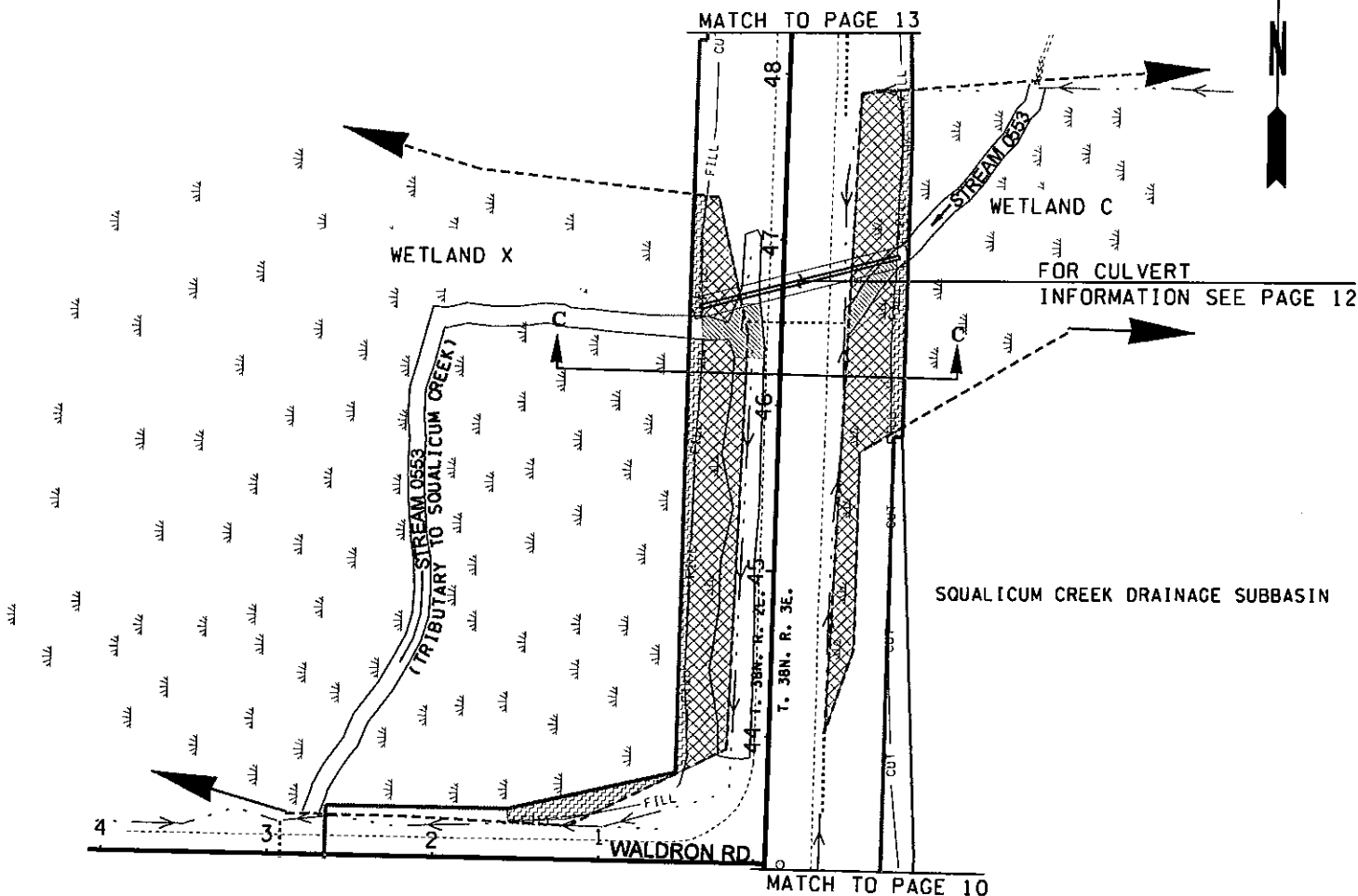


SCALE IN FEET

QUANTITIES ARE IN ACRES	
NO.	Y
WETLAND AREA	*3.50
WETLAND IMPACT	.107
TEMP WETLAND IMPACT	.002
INDIRECT WETLAND IMPACT	0
DOE CATEGORY	2
% WETLAND IMPACT	~3%

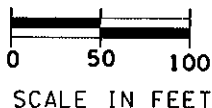
PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006



LEGEND

---	EXISTING DITCH		INDIRECT WETLAND IMPACT
---	EXISTING EDGE OF PAVEMENT		TEMP. IMPACTED WETLAND
---	EXISTING CULVERT		DIRECT WETLAND IMPACT
---	RIGHT OF WAY BOUNDARY		IMPACTED STREAM
---	WETLAND BOUNDARY		TEMP. IMPACTED STREAM

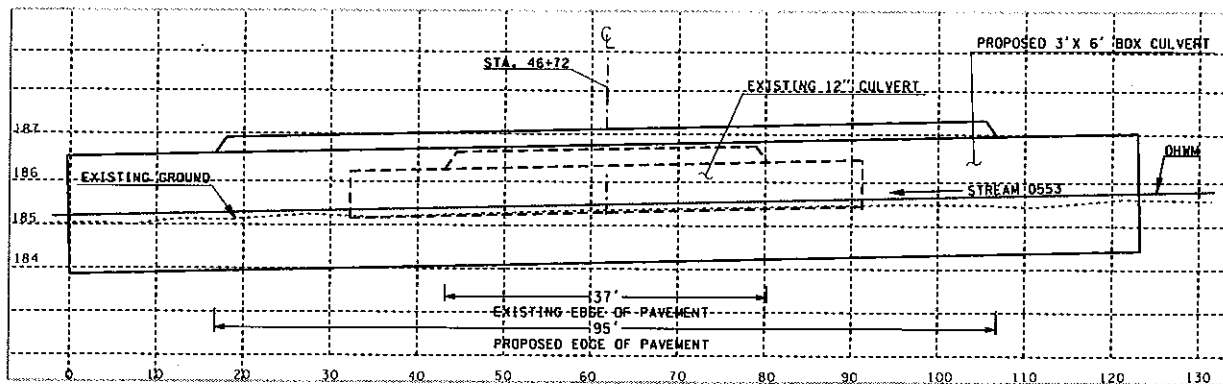
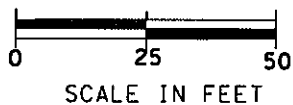
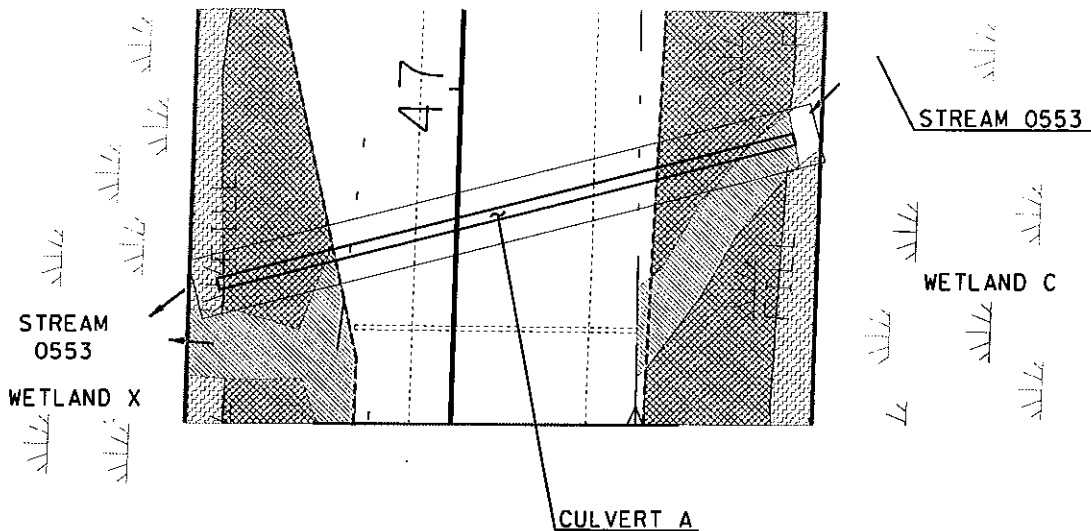


NOTE:
1. FOR STREAM 0553 IMPACTS
SEE PAGE 12
2. WETLAND EXTENDS OUTSIDE
PROJECT VICINITY

QUANTITIES ARE IN ACRES		
NO.	X	C
WETLAND AREA	3.50	1.00
WETLAND IMPACT	.185	.162
TEMP WETLAND IMPACT	0	.032
INDIRECT WETLAND IMPACT	0	.075
DOE CATEGORY	2	2
% WETLAND IMPACT	-5%	16%

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

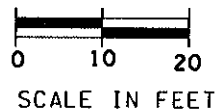
REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006



CULVERT A

LEGEND

--->	EXISTING DITCH	[Pattern]	INDIRECT WETLAND IMPACT
----	EXISTING EDGE OF PAVEMENT	[Pattern]	TEMP. IMPACTED WETLAND
-----	EXISTING CULVERT	[Pattern]	DIRECT WETLAND IMPACT
=====	RIGHT OF WAY BOUNDARY	[Pattern]	IMPACTED STREAM
-----	WETLAND BOUNDARY	[Pattern]	TEMP. IMPACTED STREAM

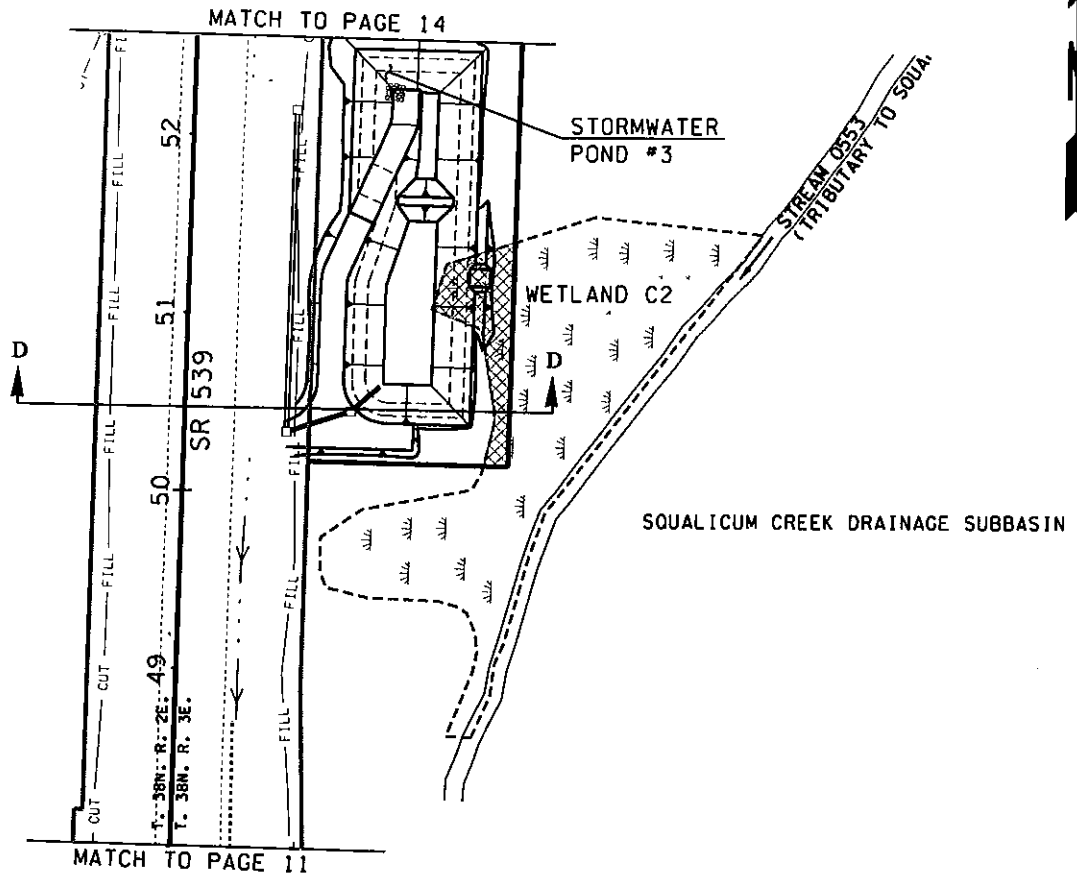


PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE CREEK
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 18, 2006

NOTE:
 1. FOR WETLANDS X&C
 IMPACTS SEE SHEET 11

QUANTITIES ARE IN ACRES	
STREAM	0553
STREAM IMPACT	.031
TEMP. STREAM IMPACT	0



LEGEND

- EXISTING DITCH
- EXISTING EDGE OF PAVEMENT
- EXISTING CULVERT
- RIGHT OF WAY BOUNDARY
- WETLAND BOUNDARY
- INDIRECT WETLAND IMPACT
- TEMP. IMPACTED WETLAND
- DIRECT WETLAND IMPACT
- IMPACTED STREAM
- TEMP. IMPACTED STREAM

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927

APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006

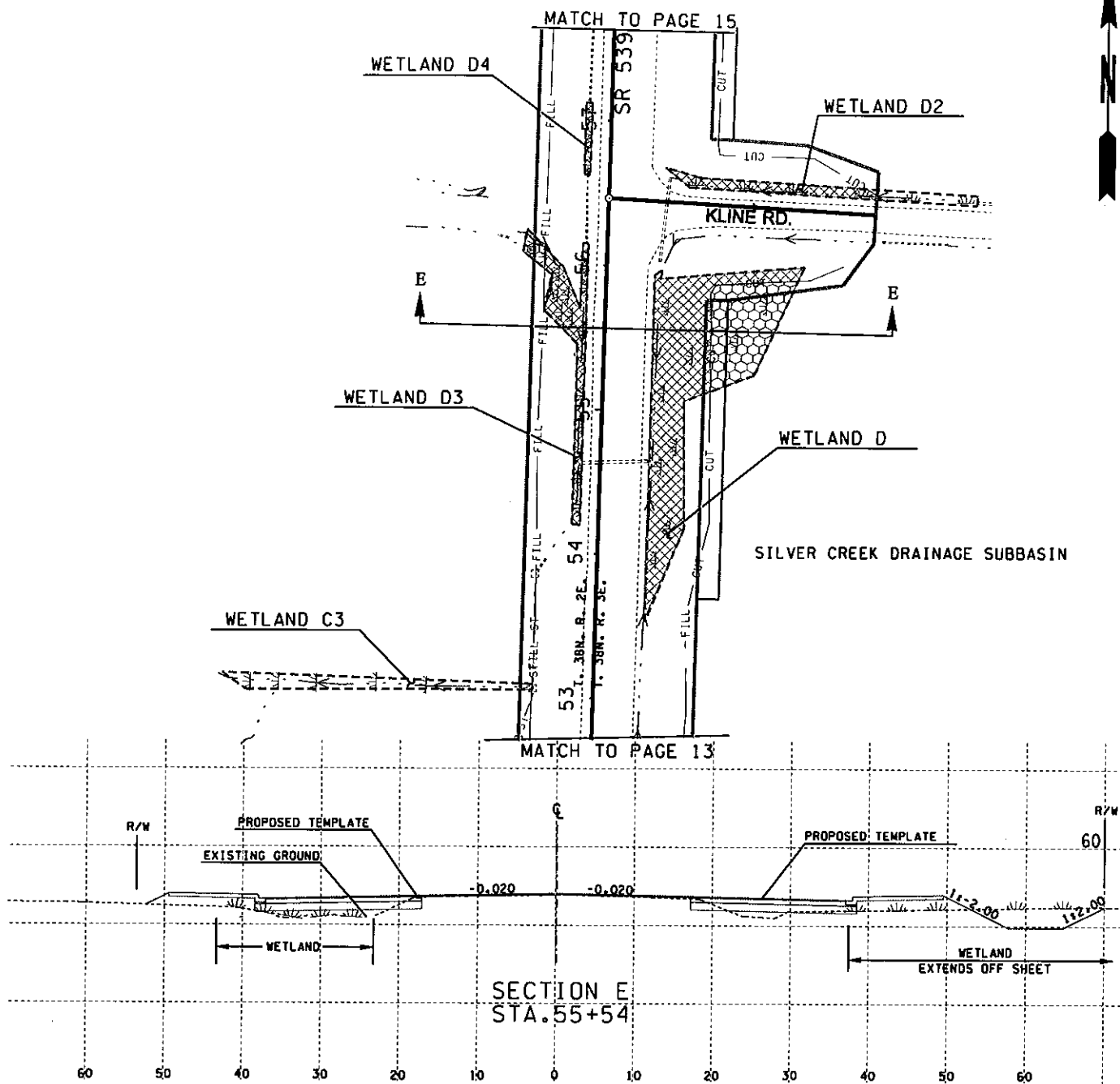
QUANTITIES ARE IN ACRES	
NO.	C2
WETLAND AREA	.534
WETLAND IMPACT	.061
TEMP WETLAND IMPACT	0
INDIRECT WETLAND IMPACT	0
DDE CATEGORY	2
% WETLAND IMPACT	11%

NOTE:
1. FOR STREAM 0553 IMPACTS
SEE PAGE 12

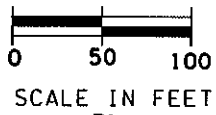


Washington State
Department of Transportation

SHEET: 13 OF: 51



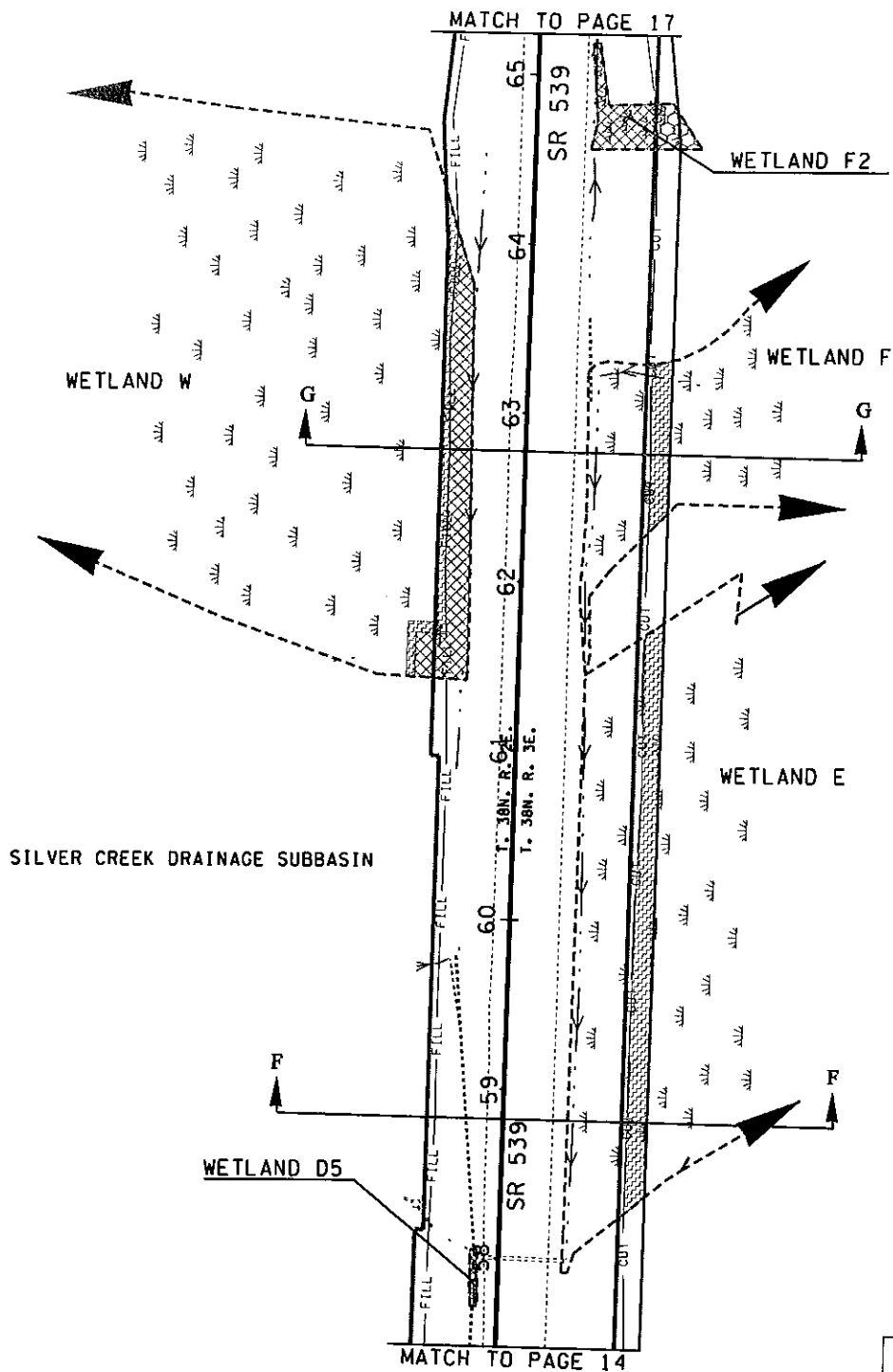
LEGEND	
	EXISTING DITCH
	EXISTING EDGE OF PAVEMENT
	EXISTING CULVERT
	RIGHT OF WAY BOUNDARY
	WETLAND BOUNDARY
	INDIRECT WETLAND IMPACT
	TEMP. IMPACTED WETLAND
	DIRECT WETLAND IMPACT
	IMPACTED STREAM
	TEMP. IMPACTED STREAM



QUANTITIES ARE IN ACRES					
NO.	C3	D	D2	D3	D4
WETLAND AREA	.036	.226	.033	.048	.005
WETLAND IMPACT	0	.157	.022	.043	.005
TEMP WETLAND IMPACT	.001	0	0	0	0
INDIRECT WETLAND IMPACT	0	.070	0	.005	0
DOE CATEGORY	4	3	4	4	4
% WETLAND IMPACT	0%	100%	67%	100%	100%

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

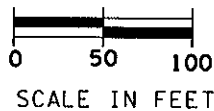
REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006



SILVER CREEK DRAINAGE SUBBASIN

LEGEND

- > EXISTING DITCH
- - - - - EXISTING EDGE OF PAVEMENT
- - - - - EXISTING CULVERT
- ===== RIGHT OF WAY BOUNDARY
- - - - - WETLAND BOUNDARY
- [Diagonal Hatching] INDIRECT WETLAND IMPACT
- [Cross-Hatch] TEMP. IMPACTED WETLAND
- [Dotted] DIRECT WETLAND IMPACT
- [Horizontal Lines] IMPACTED STREAM
- [Vertical Lines] TEMP. IMPACTED STREAM



NOTE:
1. FOR SECTION F, G, SEE SHEET 16
2. WETLAND EXTENDS OUTSIDE PROJECT VICINITY

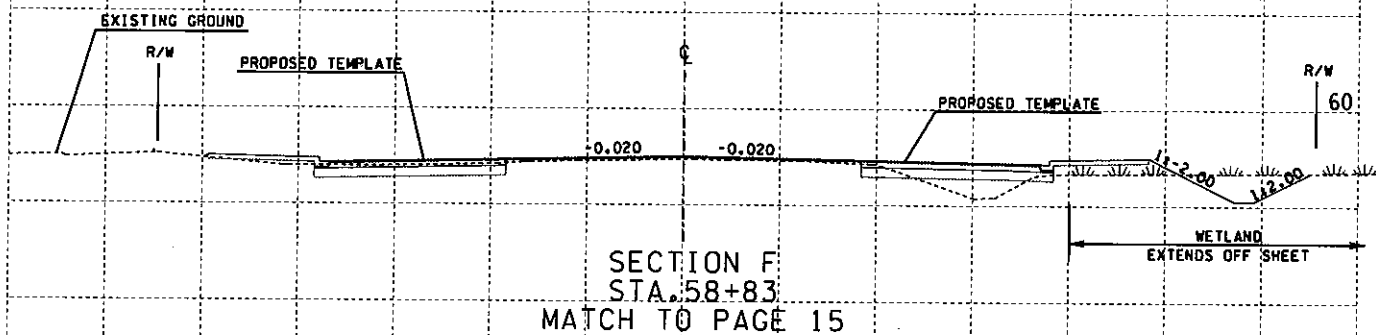
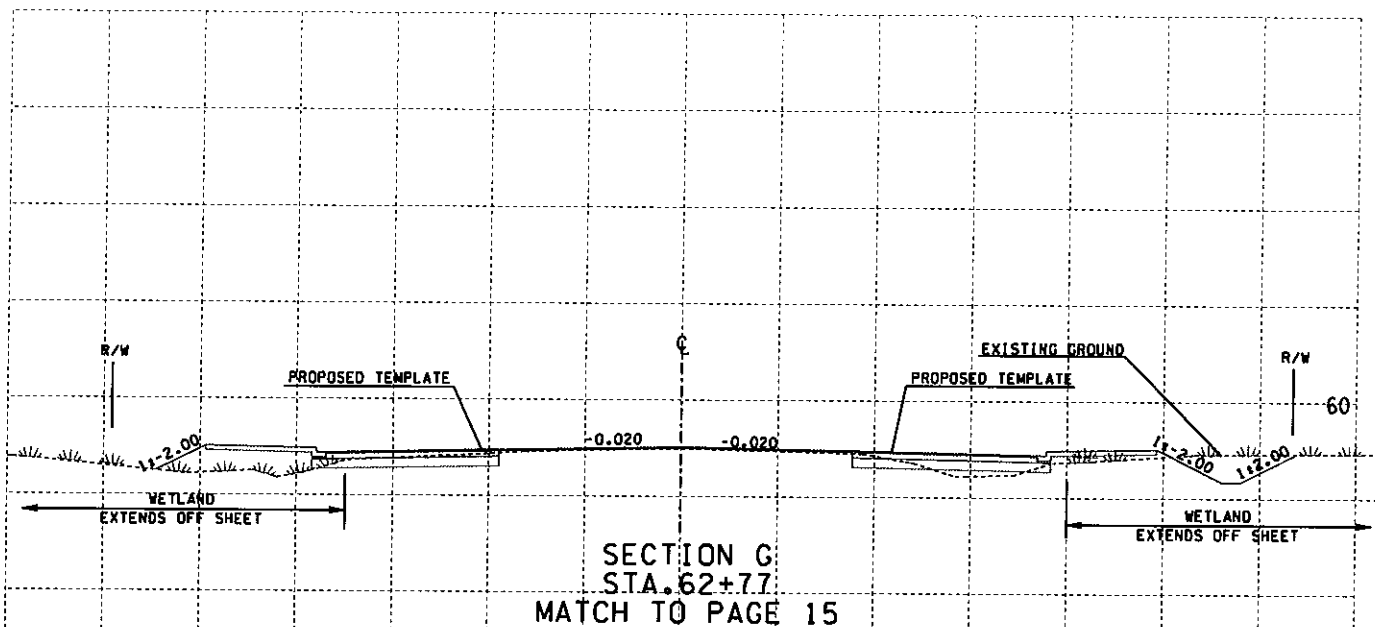
PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006

QUANTITIES ARE IN ACRES					
NO.	E	W	F	F2	D5
WETLAND AREA	3.00	1.70	1.0	.037	.003
WETLAND IMPACT	.249	.088	.106	.026	.003
TEMP WETLAND IMPACT	.087	.034	.024	0	0
INDIRECT WETLAND IMPACT	0	0	0	.012	0
DDE CATEGORY	3	3	3	3	4
% WETLAND IMPACT	~8%	~5%	~11%	100%	100%



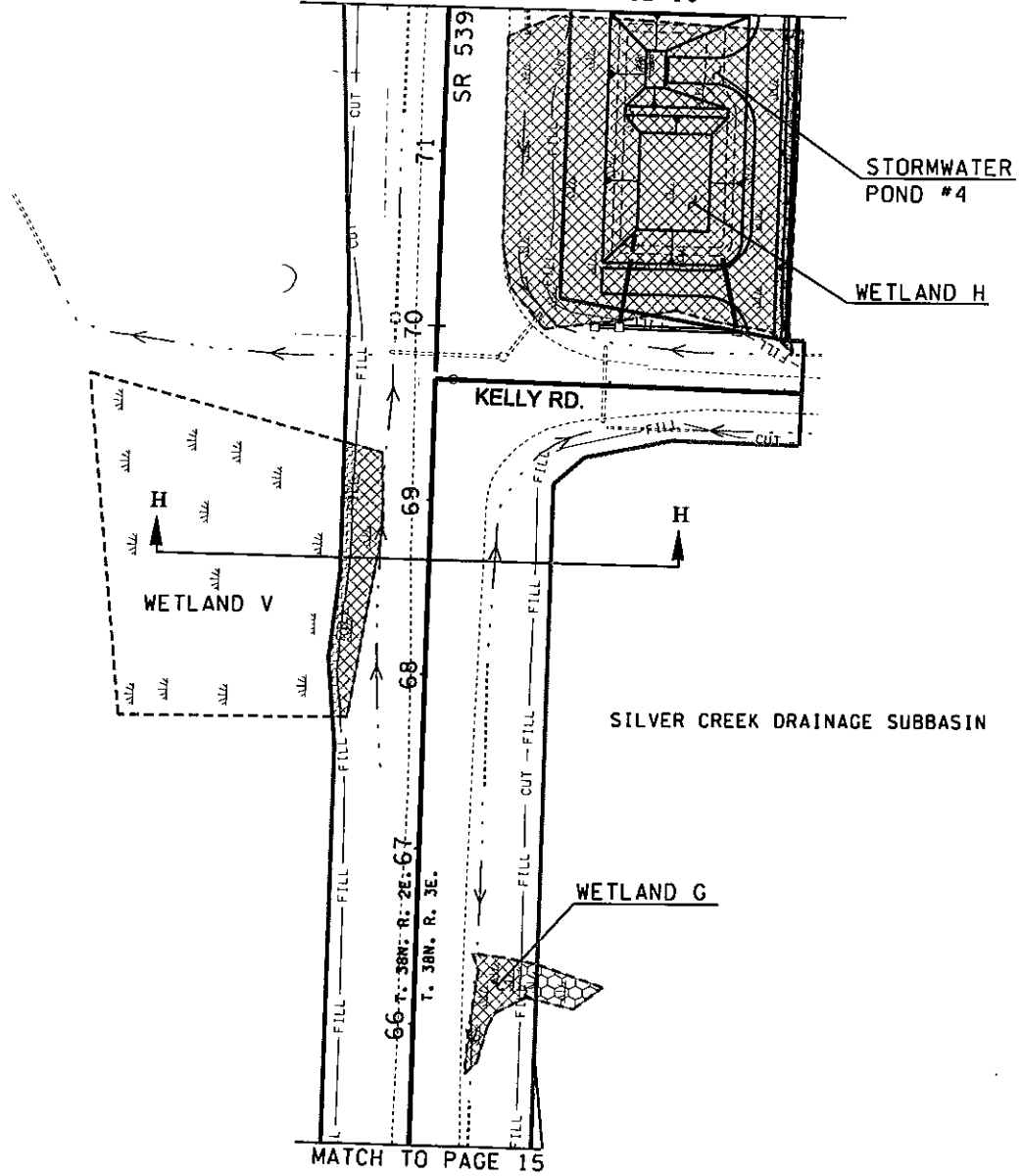
Washington State
Department of Transportation
SHEET: 15 OF: 51



PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION,
AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT
TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA
ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK,
FOUR MILE CREEK
DATE: JANUARY 19, 2006

MATCH TO PAGE 19



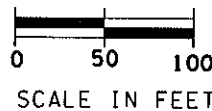
MATCH TO PAGE 15

LEGEND

- | | | | |
|-------|---------------------------|-----------|-------------------------|
| —>— | EXISTING DITCH | [Pattern] | INDIRECT WETLAND IMPACT |
| ---- | EXISTING EDGE OF PAVEMENT | [Pattern] | TEMP. IMPACTED WETLAND |
| ----- | EXISTING CULVERT | [Pattern] | DIRECT WETLAND IMPACT |
| ===== | RIGHT OF WAY BOUNDARY | [Pattern] | IMPACTED STREAM |
| ----- | WETLAND BOUNDARY | [Pattern] | TEMP. IMPACTED STREAM |

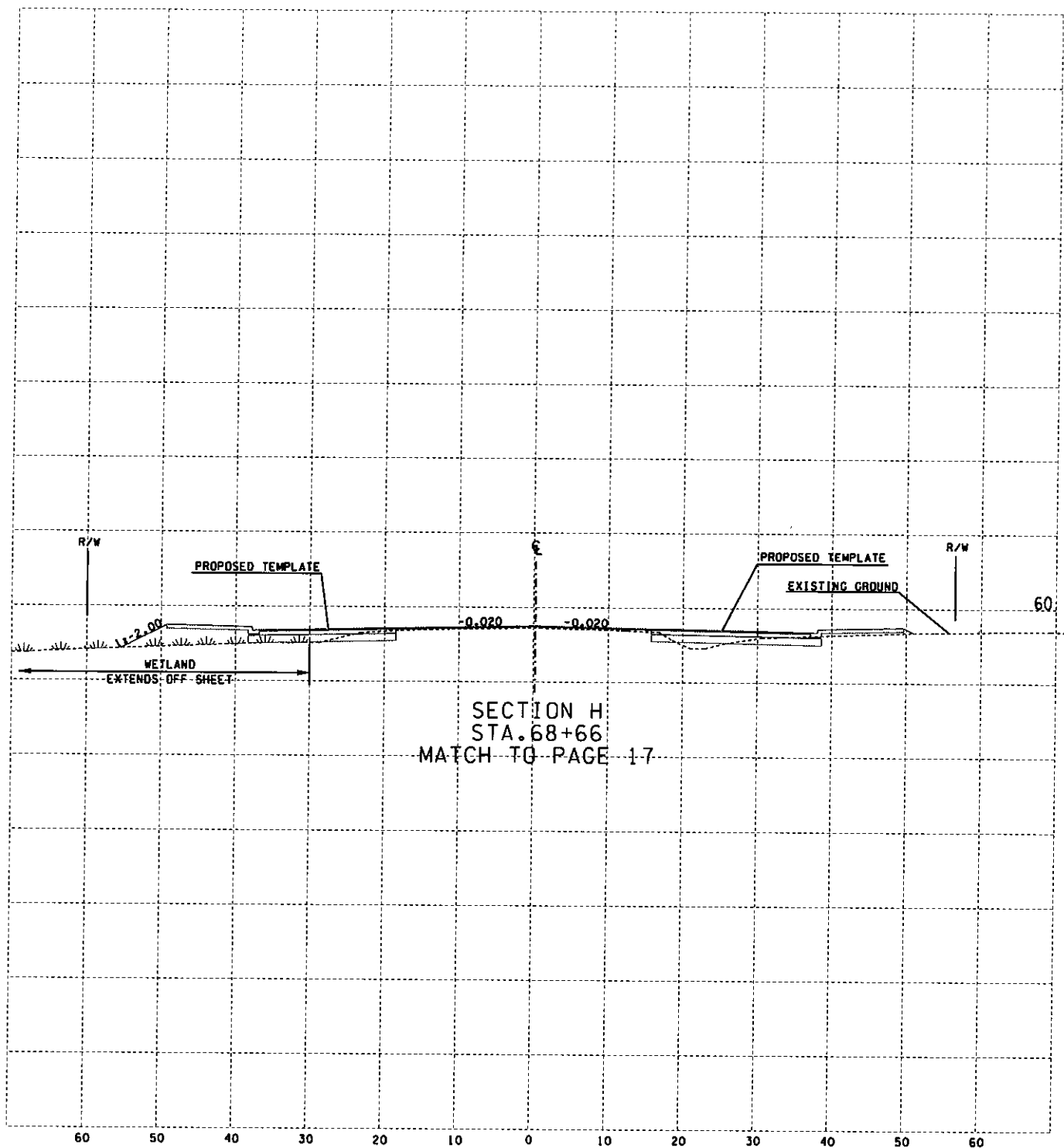
PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006



NOTE:
1. FOR SECTIONS H
SEE PAGE 18

QUANTITIES ARE IN ACRES				
NO.	V	H	G	
WETLAND AREA	.611	.665	.041	
WETLAND IMPACT	.049	.620	.023	
TEMP WETLAND IMPACT	.018	0	0	
INDIRECT WETLAND IMPACT	0	.045	.017	
DOE CATEGORY	3	3	3	
% WETLAND IMPACT	8%	100%	100%	



PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006

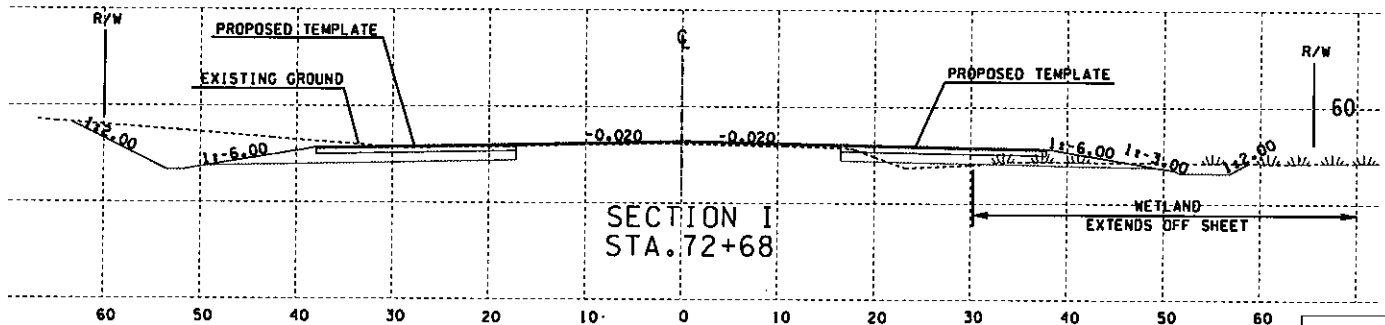
MATCH TO PAGE 20

SILVER CREEK DRAINAGE SUBBASIN

SR 539

WETLAND I

MATCH TO PAGE 17



LEGEND

- > EXISTING DITCH
- EXISTING EDGE OF PAVEMENT
- EXISTING CULVERT
- RIGHT OF WAY BOUNDARY
- WETLAND BOUNDARY
- [Pattern] INDIRECT WETLAND IMPACT
- [Pattern] TEMP. IMPACTED WETLAND
- [Pattern] DIRECT WETLAND IMPACT
- [Pattern] IMPACTED STREAM
- [Pattern] TEMP. IMPACTED STREAM



SCALE IN FEET

QUANTITIES ARE IN ACRES	
NO.	I
WETLAND AREA	1.874
WETLAND IMPACT	.334
TEMP WETLAND IMPACT	.139
INDIRECT WETLAND IMPACT	0
DOE CATEGORY	3
% WETLAND IMPACT	18%

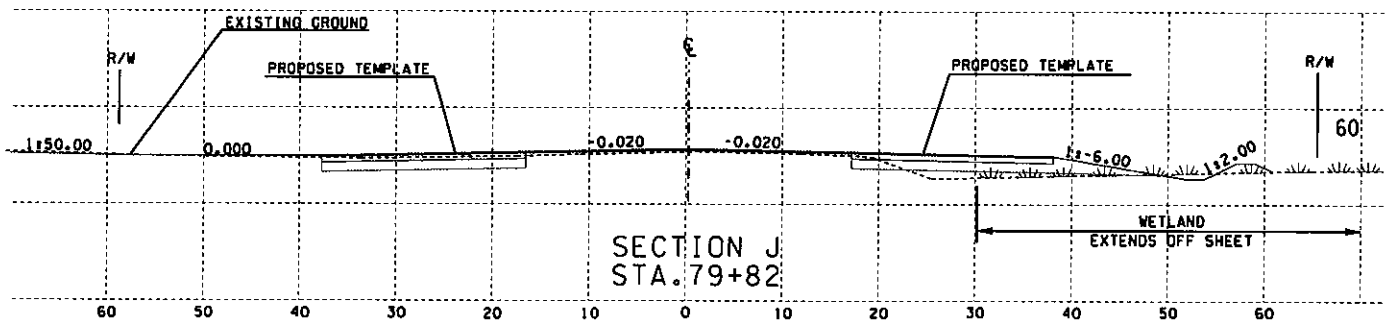
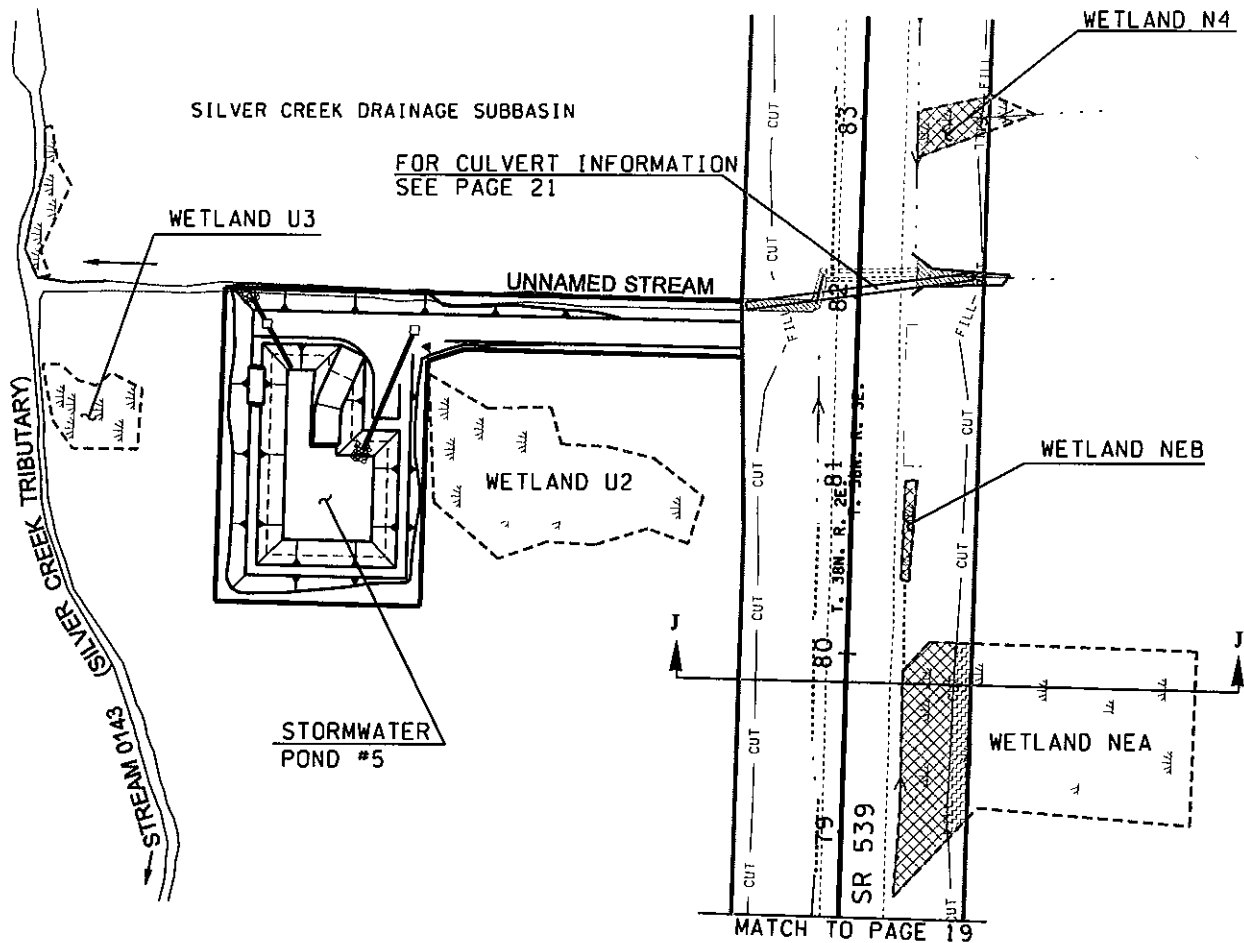
PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006



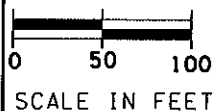
Washington State
Department of Transportation

SHEET: 19 OF: 51



LEGEND

—>—	EXISTING DITCH		INDIRECT WETLAND IMPACT
- - - - -	EXISTING EDGE OF PAVEMENT		TEMP. IMPACTED WETLAND
- - - - -	EXISTING CULVERT		DIRECT WETLAND IMPACT
—	RIGHT OF WAY BOUNDARY		IMPACTED STREAM
- - - - -	WETLAND BOUNDARY		TEMP. IMPACTED STREAM

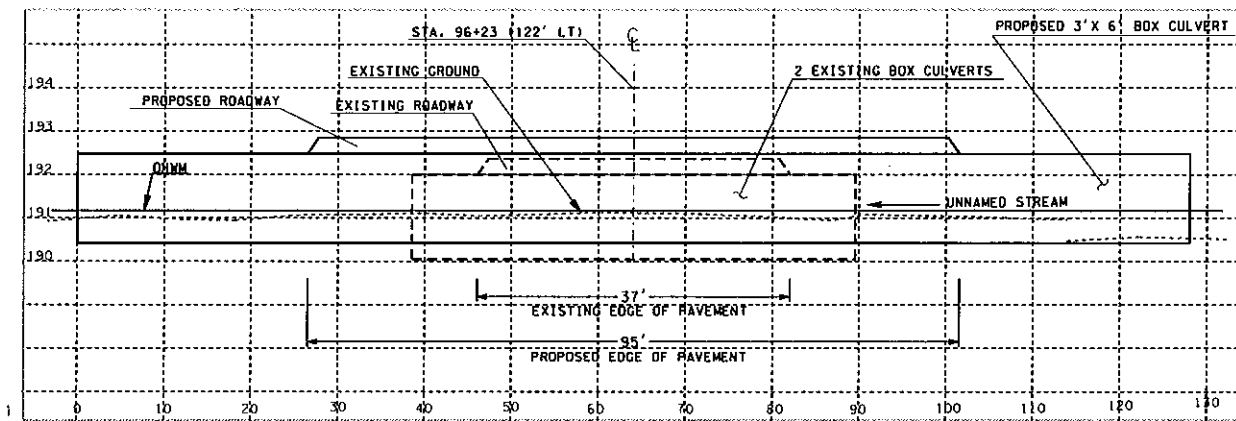
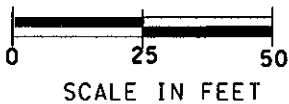
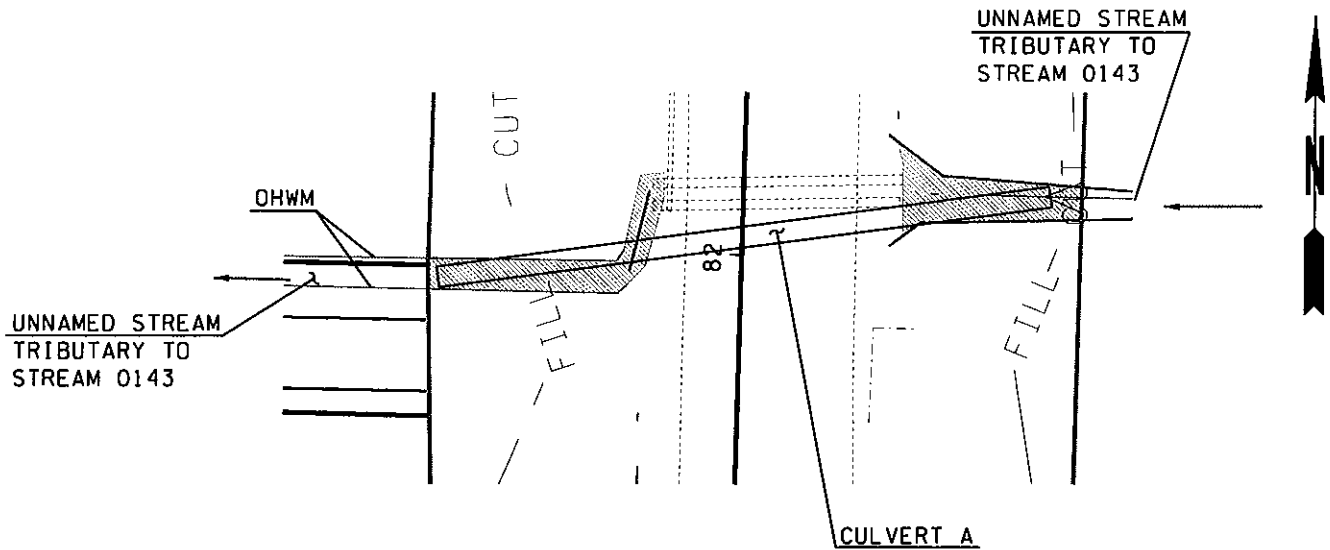


NOTE:
1. FOR UNNAMED STREAM IMPACTS SEE PAGE 21

QUANTITIES ARE IN ACRES					
NO.	NEA	NEB	U2	N4	U3
WETLAND AREA	.377	.007	.207	.027	.045
WETLAND IMPACT	.078	.007	0	.019	0
TEMP WETLAND IMPACT	.024	0	0	.002	0
INDIRECT WETLAND IMPACT	0	0	0	0	0
DOE CATEGORY	4	4	3	4	0
% WETLAND IMPACT	21%	100%	0%	70%	0%

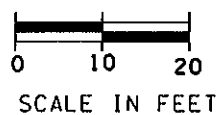
PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006



CULVERT A

LEGEND	
--->	EXISTING DITCH
----	EXISTING EDGE OF PAVEMENT
.....	EXISTING CULVERT
=====	RIGHT OF WAY BOUNDARY
-----	WETLAND BOUNDARY
[Pattern]	INDIRECT WETLAND IMPACT
[Pattern]	TEMP. IMPACTED WETLAND
[Pattern]	DIRECT WETLAND IMPACT
[Pattern]	IMPACTED STREAM
[Pattern]	TEMP. IMPACTED STREAM



QUANTITIES ARE IN ACRES	
STREAM	UNNAMED
STREAM IMPACT	.017
TEMP. STREAM IMPACT	0

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
 PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
 LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
 DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
 ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
 APPLICANT: WSDOT
 COUNTY: WHATCOM
 NEAR: BELLINGHAM
 WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
 DATE: JANUARY 19, 2006

MATCH TO PAGE 23

STORMWATER
POND #6

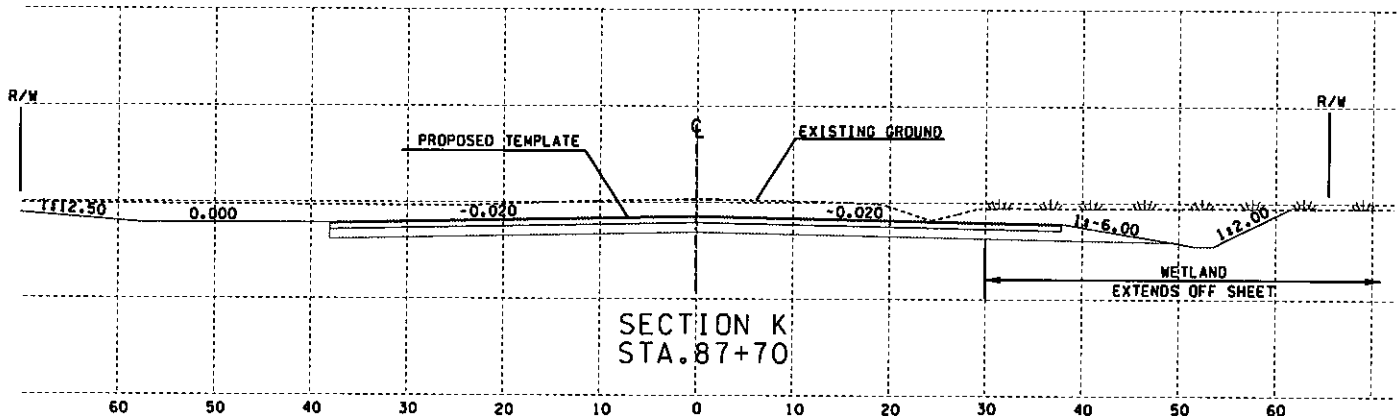
WETLAND N6

SILVER CREEK DRAINAGE SUBBASIN

WETLAND N5

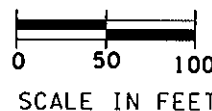
SR 539

877.38N. R. DE. 88
539 T. 38N. R. DE.



LEGEND

- > EXISTING DITCH
- EXISTING EDGE OF PAVEMENT
- EXISTING CULVERT
- RIGHT OF WAY BOUNDARY
- WETLAND BOUNDARY
- [Pattern] INDIRECT WETLAND IMPACT
- [Pattern] TEMP. IMPACTED WETLAND
- [Pattern] DIRECT WETLAND IMPACT
- [Pattern] IMPACTED STREAM
- [Pattern] TEMP. IMPACTED STREAM



NOTE:
1. *WETLAND EXTENDS OUTSIDE PROJECT VICINITY

QUANTITIES ARE IN ACRES		
NO.	N5	N6
WETLAND AREA	.250	.100
WETLAND IMPACT	.021	.096
TEMP WETLAND IMPACT	.008	0
INDIRECT WETLAND IMPACT	0	.004
DOE CATEGORY	3	3
% WETLAND IMPACT	~8%	100%

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006

FOR CULVERT INFORMATION
SEE PAGE 24

3 LARSON RD. 2

1 MATCH TO PAGE 26

SILVER CREEK DRAINAGE SUBBASIN

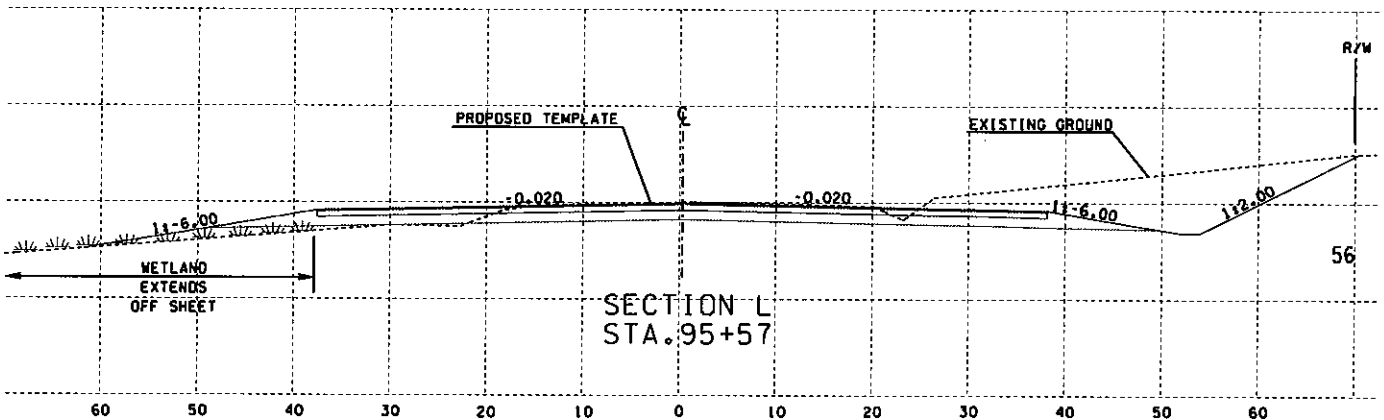
LARSON RD. WETLAND
MITIGATION SITE

WETLAND U

STREAM 0143

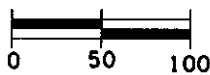
STORMWATER
POND #6

MATCH TO PAGE 22



LEGEND

- > EXISTING DITCH
- EXISTING EDGE OF PAVEMENT
- EXISTING CULVERT
- RIGHT OF WAY BOUNDARY
- WETLAND BOUNDARY
- [Pattern] INDIRECT WETLAND IMPACT
- [Pattern] TEMP. IMPACTED WETLAND
- [Pattern] DIRECT WETLAND IMPACT
- [Pattern] IMPACTED STREAM
- [Pattern] TEMP. IMPACTED STREAM



SCALE IN FEET

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION,
AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT
TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA
ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK,
FOUR MILE CREEK
DATE: JANUARY 19, 2006

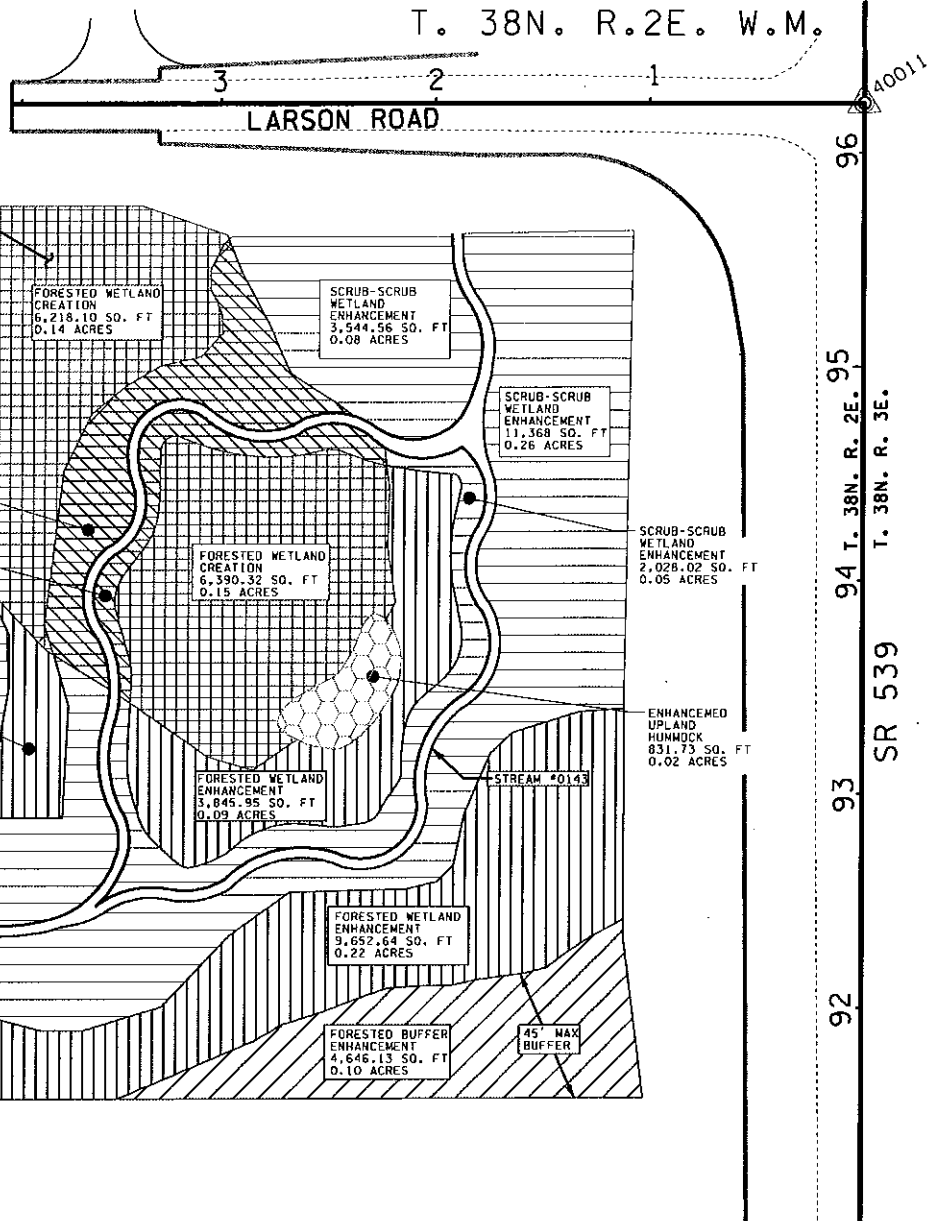
NOTE:
1. FOR STREAM 0143 IMPACTS
SEE PAGE 24

QUANTITIES ARE IN ACRES	
NO.	U
WETLAND AREA	1.509
WETLAND IMPACT	.189
TEMP WETLAND IMPACT	.073
INDIRECT WETLAND IMPACT	0
DOE CATEGORY	3
% WETLAND IMPACT	13%

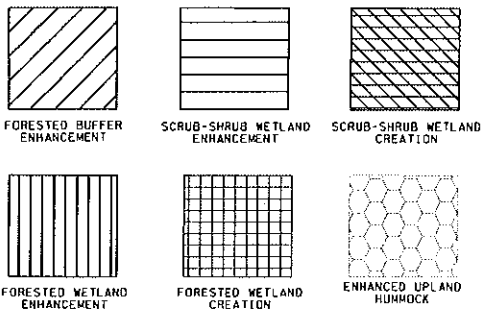

Washington State
Department of Transportation
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T. 38N. R. 2E. W.M.

**LARSON RD. WETLAND
MITIGATION SITE**

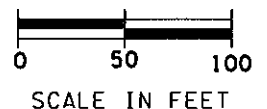


LEGEND

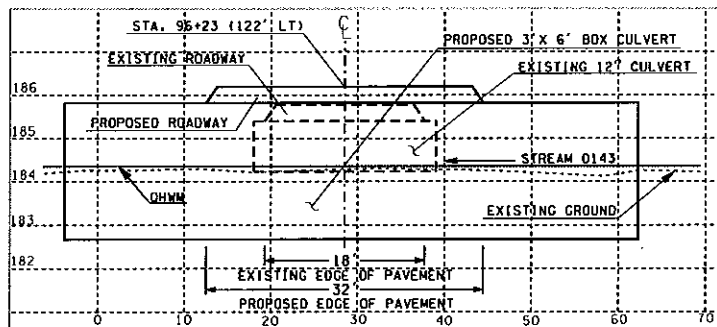
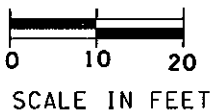
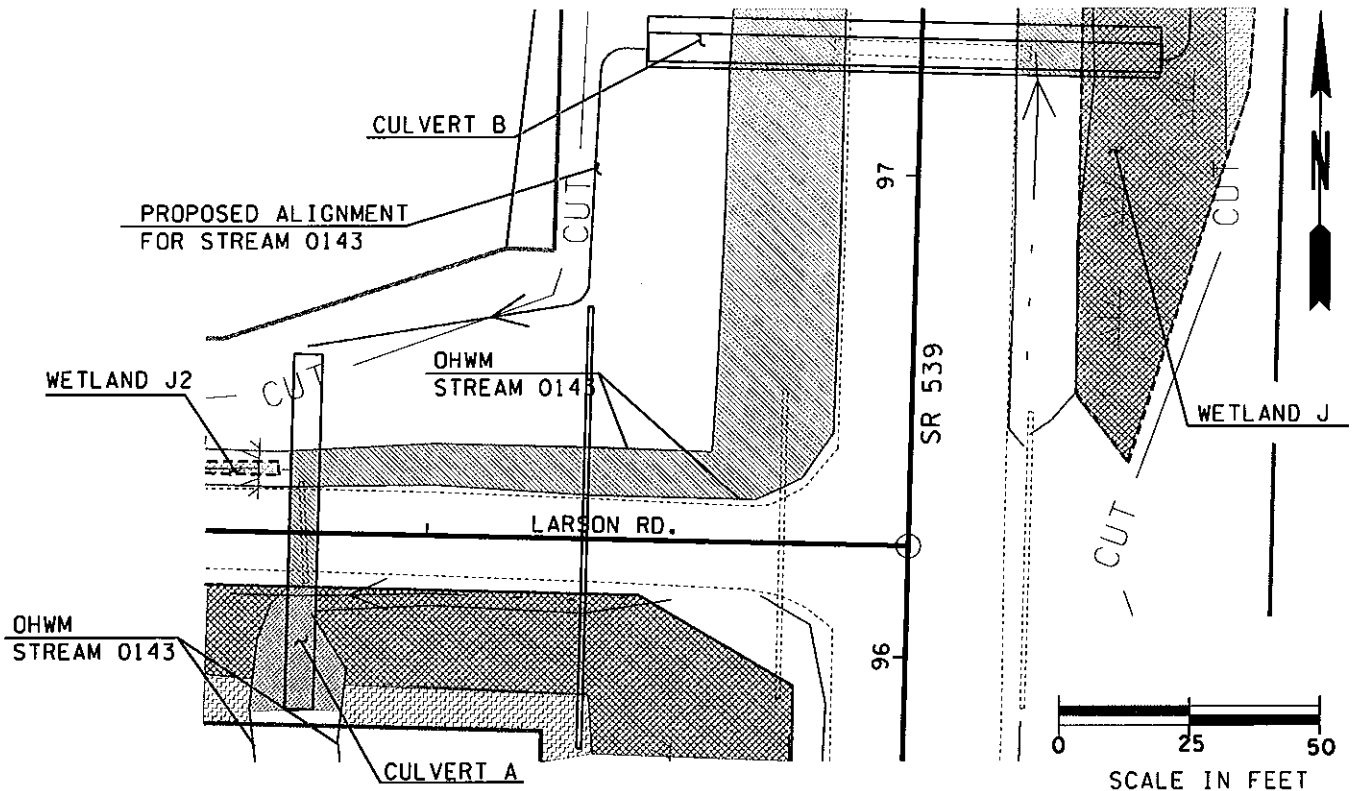


PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA
ATTACHMENT B

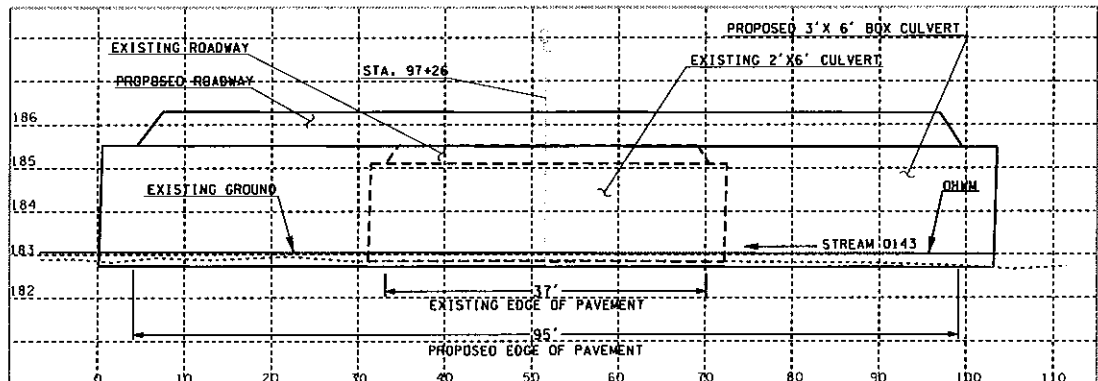
REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006



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CULVERT A



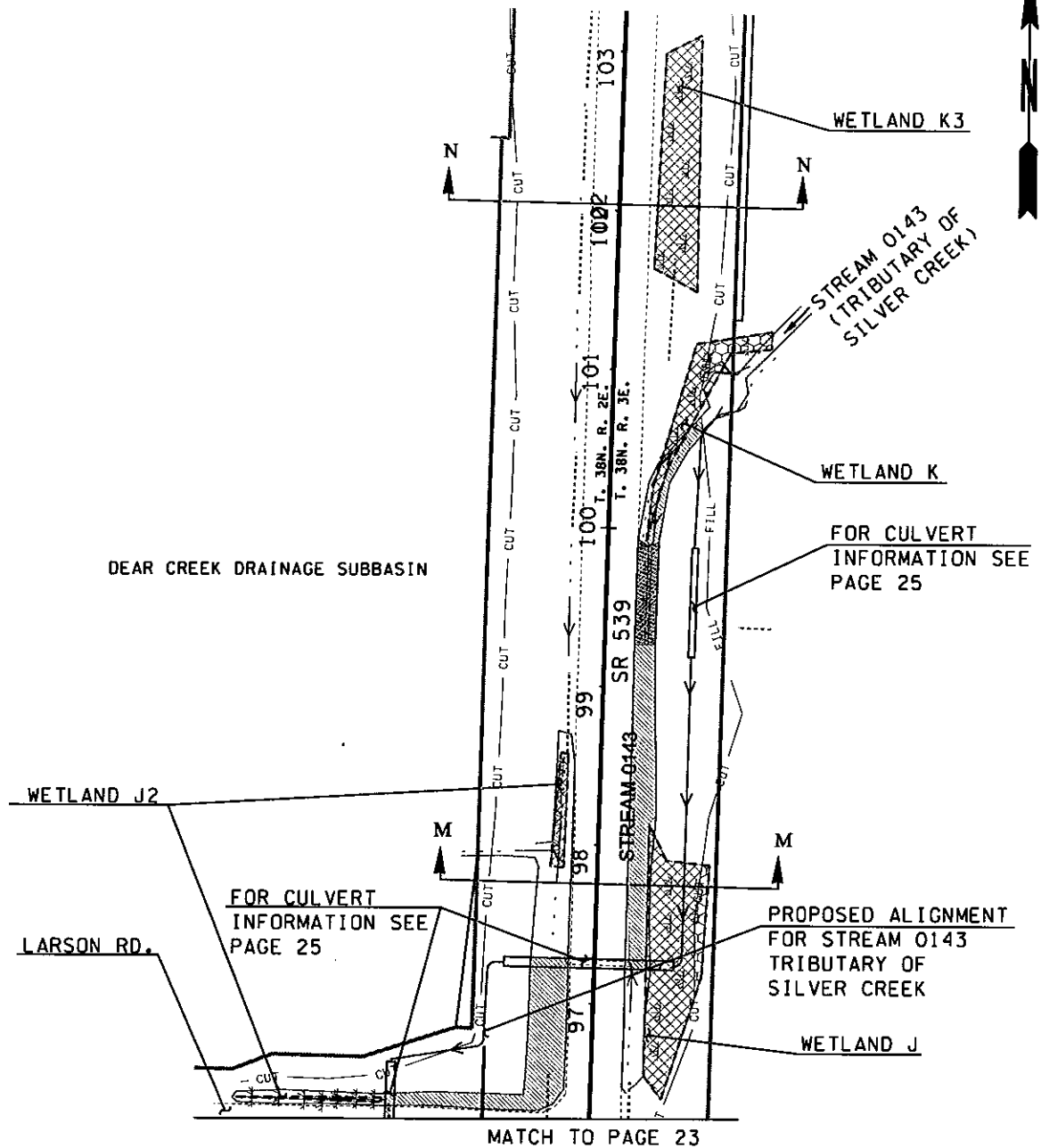
CULVERT B

NOTE:
1. FOR LEGEND SEE
PAGE 26
2. FOR WETLAND J2 & J
QUANTITIES SEE PAGE 26

QUANTITIES ARE IN ACRES	
STREAM	0143
STREAM IMPACT	.151
TEMP. STREAM IMPACT	.019

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION,
AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT
TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA
ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK,
FOUR MILE CREEK
DATE: JANUARY 19, 2006



LEGEND

---	EXISTING DITCH		INDIRECT WETLAND IMPACT
----	EXISTING EDGE OF PAVEMENT		TEMP. IMPACTED WETLAND
-----	EXISTING CULVERT		DIRECT WETLAND IMPACT
=====	RIGHT OF WAY BOUNDARY		IMPACTED STREAM
-----	WETLAND BOUNDARY		TEMP. IMPACTED STREAM

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927

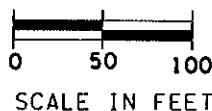
APPLICANT: WSDOT

COUNTY: WHATCOM

NEAR: BELLINGHAM

WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK

DATE: JANUARY 19, 2006



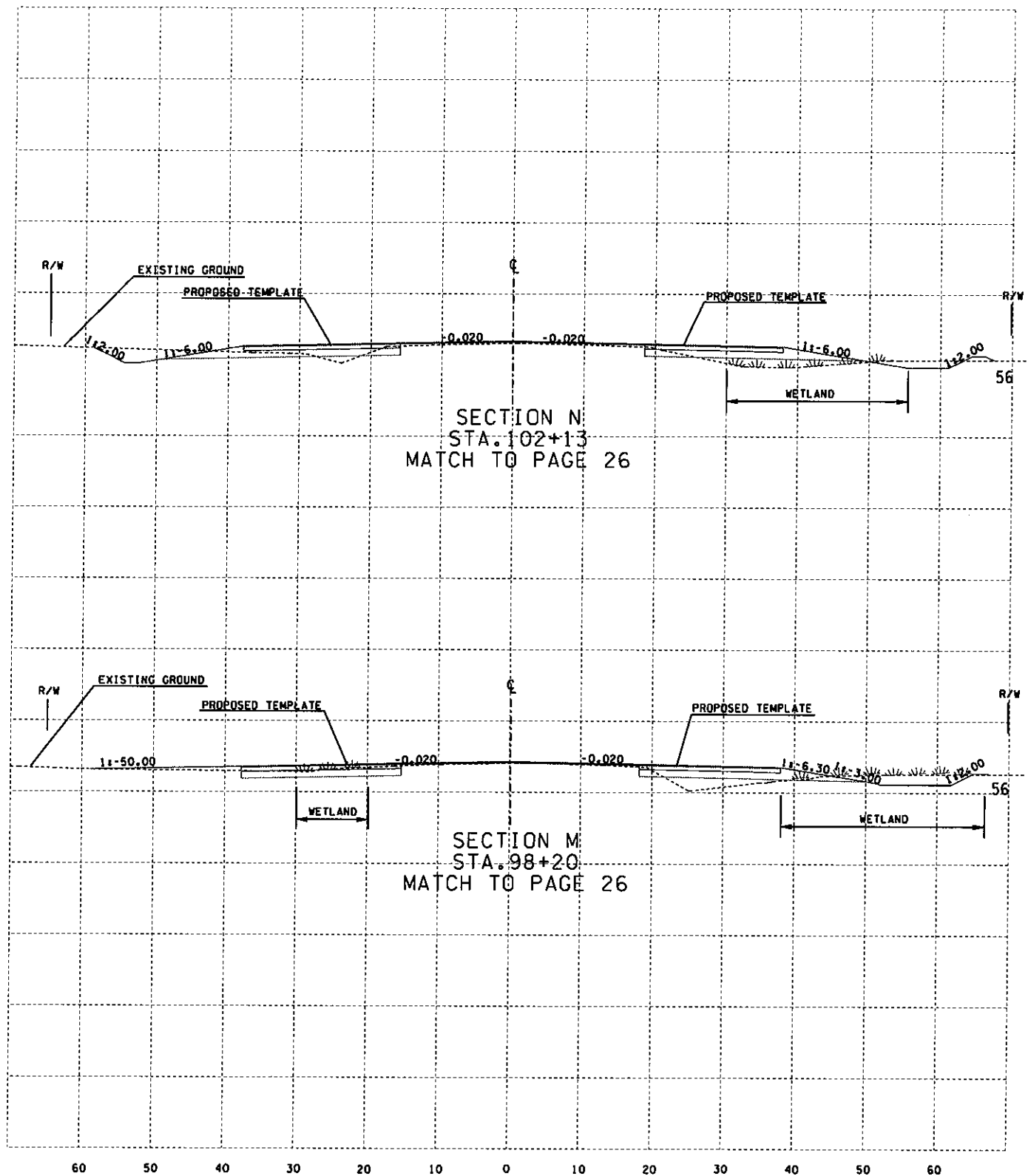
NOTE:
 1. FOR SECTIONS M, N
 SEE PAGE 27
 2. FOR STREAM 0143 IMPACTS
 SEE PAGE 25

QUANTITIES ARE IN ACRES				
NO.	J	J2	K	K3
WETLAND AREA	.102	.014	.037	.084
WETLAND IMPACT	.091	.014	.022	.084
TEMP WETLAND IMPACT	0	0	0	0
INDIRECT WETLAND IMPACT	.010	0	.015	0
DOE CATEGORY	3	3	3	3
% WETLAND IMPACT	100%	100%	100%	100%



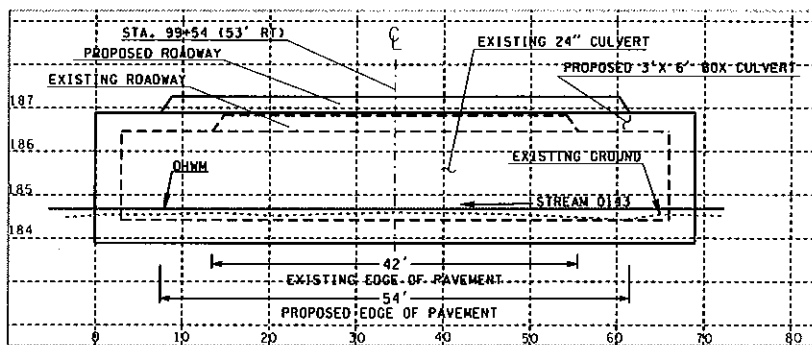
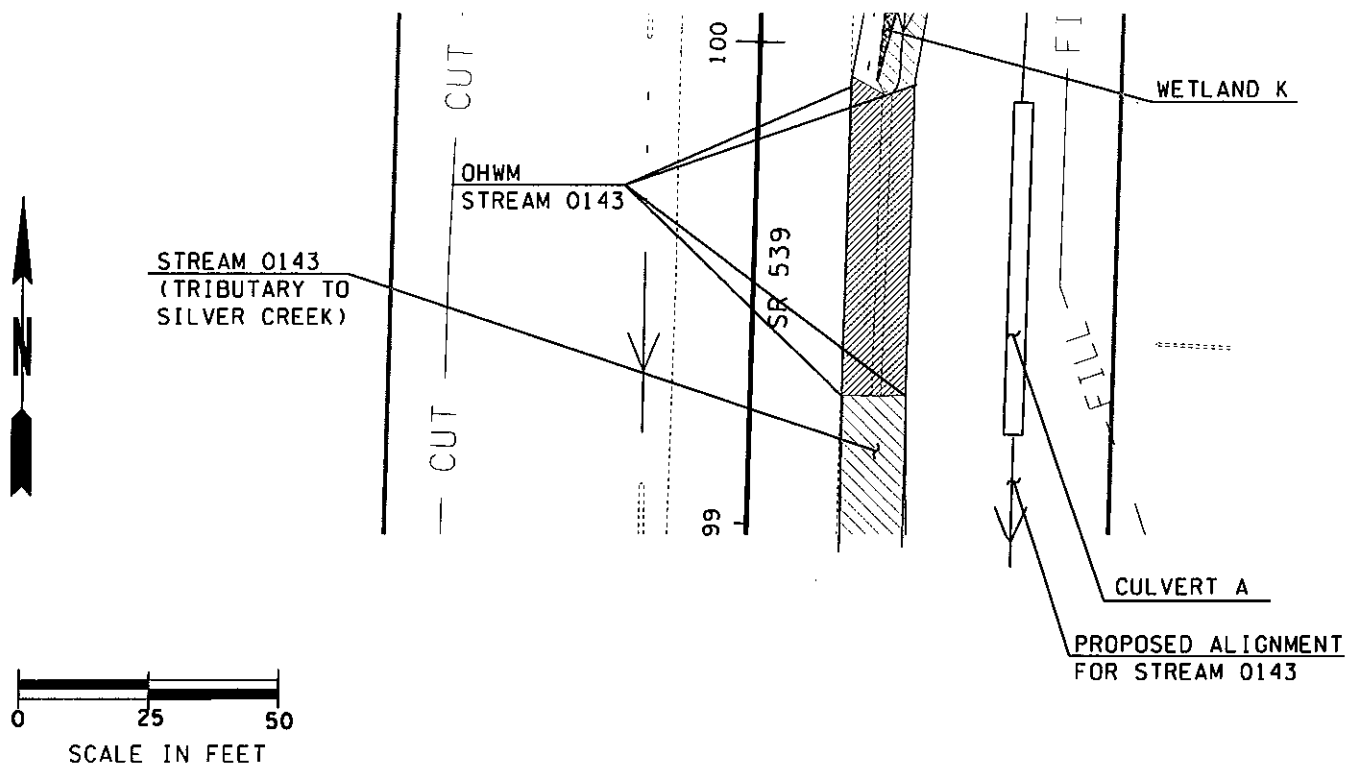
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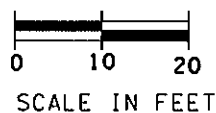
PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
 PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
 LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
 DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
 ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
 APPLICANT: WSDOT
 COUNTY: WHATCOM
 NEAR: BELLINGHAM
 WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
 DATE: JANUARY 19, 2006



CULVERT A

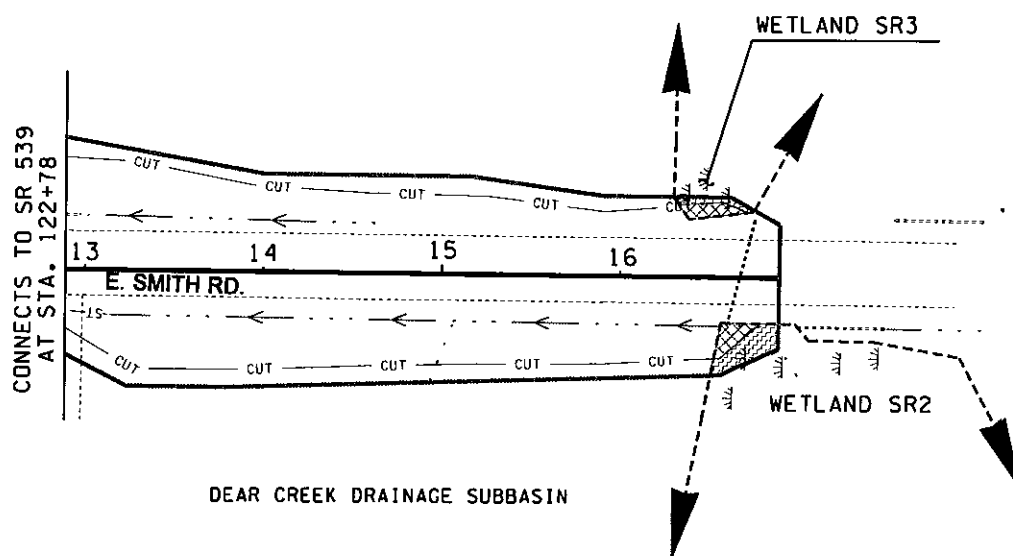
LEGEND	
--->	EXISTING DITCH
----	EXISTING EDGE OF PAVEMENT
-----	EXISTING CULVERT
=====	RIGHT OF WAY BOUNDARY
-----	WETLAND BOUNDARY
[Pattern]	INDIRECT WETLAND IMPACT
[Pattern]	TEMP. IMPACTED WETLAND
[Pattern]	DIRECT WETLAND IMPACT
[Pattern]	IMPACTED STREAM
[Pattern]	TEMP. IMPACTED STREAM



NOTE:
1. FOR STREAM 0143 IMPACTS
SEE PAGE 25
2. FOR WETLAND K QUANTITIES
SEE PAGE 26

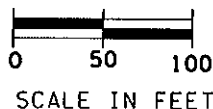
PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 18, 2006



LEGEND

	EXISTING DITCH		INDIRECT WETLAND IMPACT
	EXISTING EDGE OF PAVEMENT		TEMP. IMPACTED WETLAND
	EXISTING CULVERT		DIRECT WETLAND IMPACT
	RIGHT OF WAY BOUNDARY		IMPACTED STREAM
	WETLAND BOUNDARY		TEMP. IMPACTED STREAM



NOTE:
1. *WETLAND EXTENDS OUTSIDE PROJECT VICINITY

QUANTITIES ARE IN ACRES		
NO.	SR2	SR3
WETLAND AREA	*8.40	*.50
WETLAND IMPACT	.006	.005
TEMP WETLAND IMPACT	.012	.004
INDIRECT WETLAND IMPACT	0	0
DOE CATEGORY	3	2
% WETLAND IMPACT	~.07%	~1%

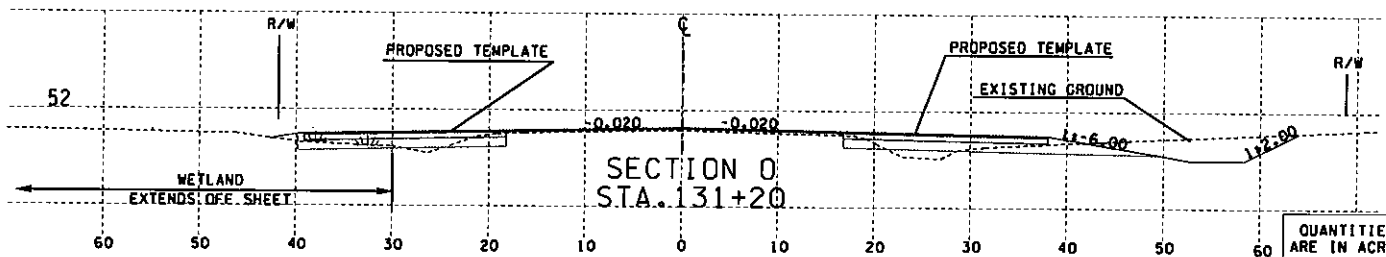
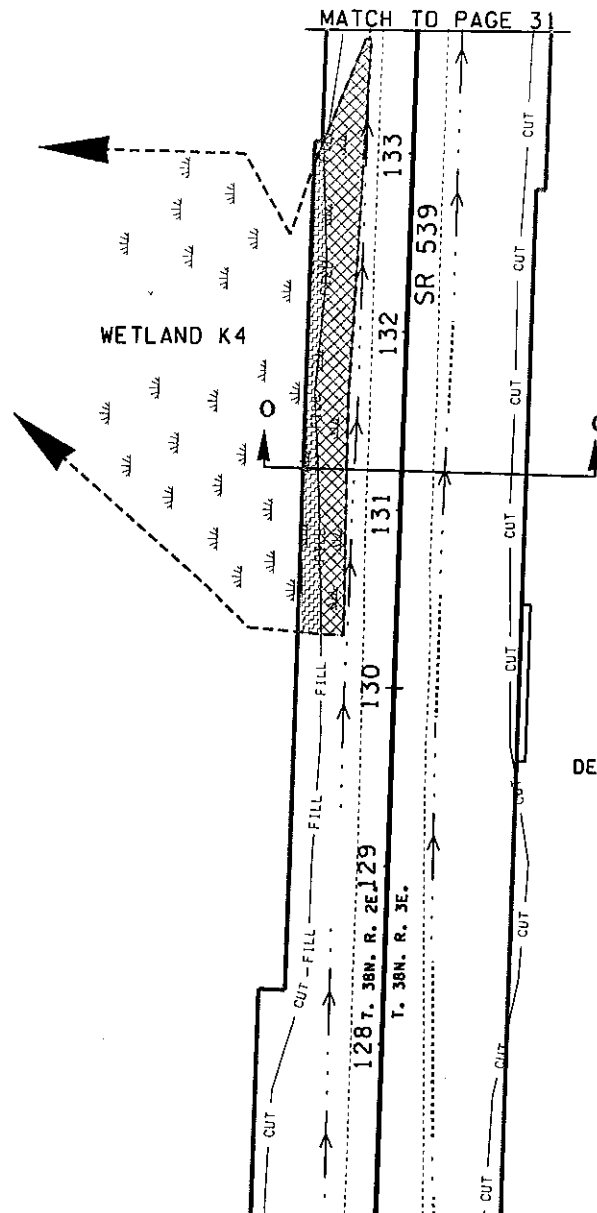
PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006

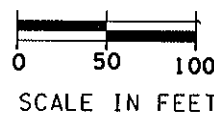


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LEGEND	
—>—	EXISTING DITCH
-----	EXISTING EDGE OF PAVEMENT
-----	EXISTING CULVERT
-----	RIGHT OF WAY BOUNDARY
-----	WETLAND BOUNDARY
[Pattern]	INDIRECT WETLAND IMPACT
[Pattern]	TEMP. IMPACTED WETLAND
[Pattern]	DIRECT WETLAND IMPACT
[Pattern]	IMPACTED STREAM
[Pattern]	TEMP. IMPACTED STREAM



NOTE:
1. WETLAND EXTENDS OUTSIDE PROJECT VICINITY

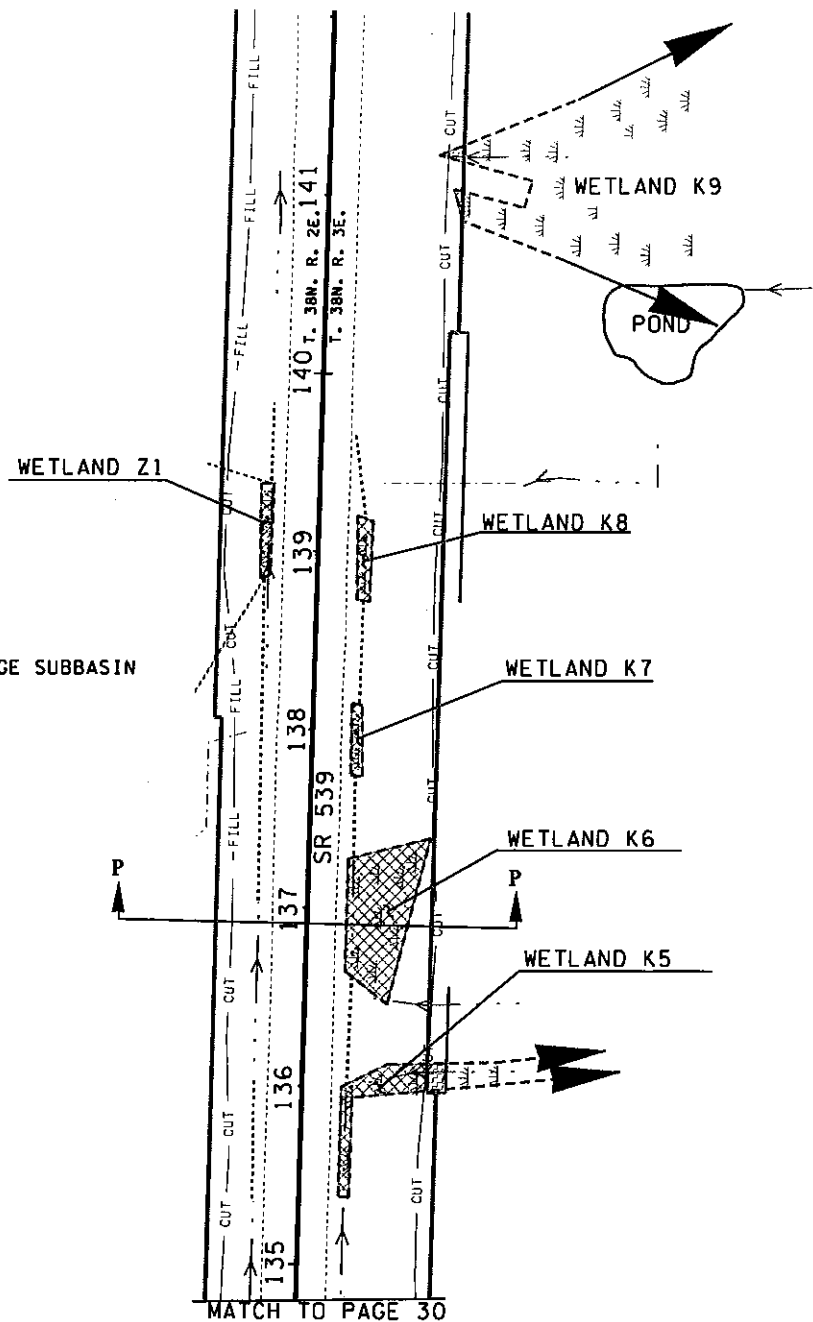
QUANTITIES ARE IN ACRES	
NO.	K4
WETLAND AREA	1.50
WETLAND IMPACT	.128
TEMP. WETLAND IMPACT	.048
INDIRECT WETLAND IMPACT	0
DDE CATEGORY	3
% WETLAND IMPACT	~9%

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE CREEK
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006


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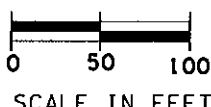
DEAR CREEK DRAINAGE SUBBASIN



NOTE:
1. FOR SECTIONS P
SEE PAGE 32
2. WETLAND EXTENDS OUTSIDE
PROJECT VICINITY

LEGEND

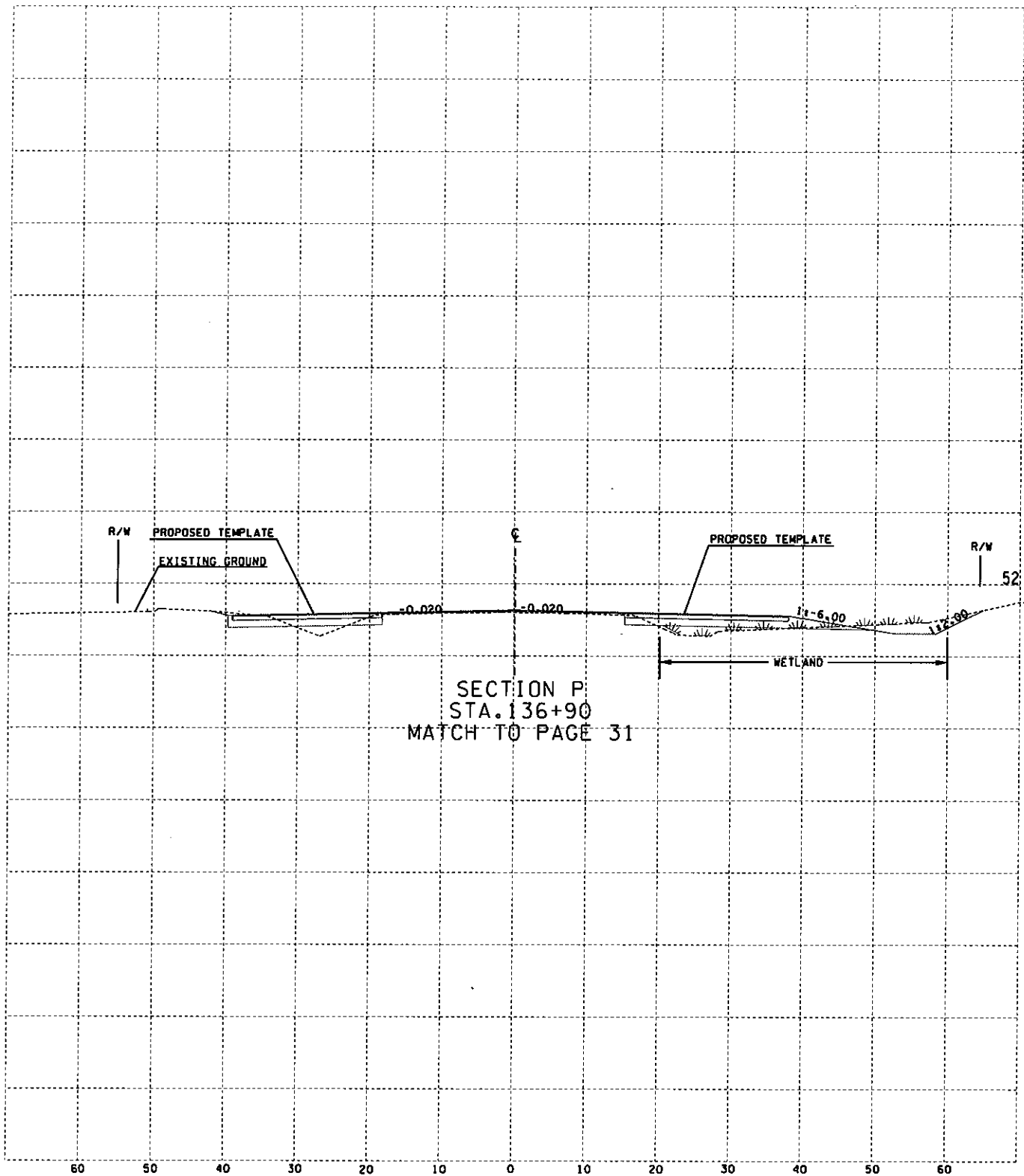
---	EXISTING DITCH	▨	INDIRECT WETLAND IMPACT
----	EXISTING EDGE OF PAVEMENT	▩	TEMP. IMPACTED WETLAND
-----	EXISTING CULVERT	▧	DIRECT WETLAND IMPACT
=====	RIGHT OF WAY BOUNDARY	▦	IMPACTED STREAM
-----	WETLAND BOUNDARY	▥	TEMP. IMPACTED STREAM



PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

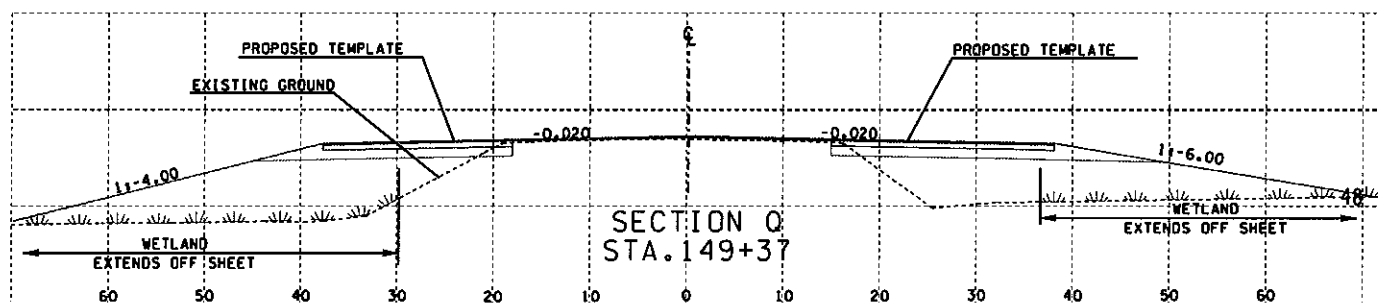
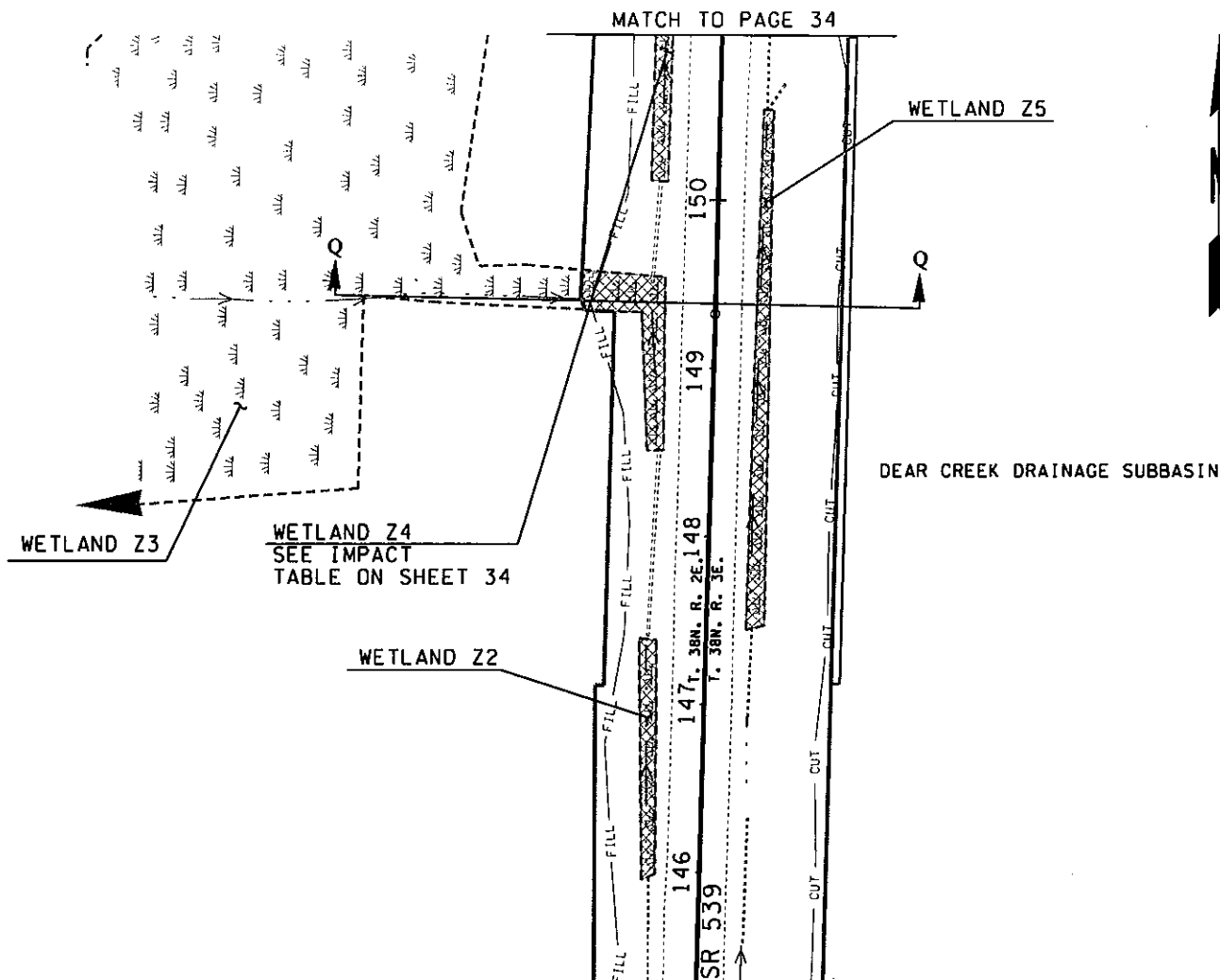
REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006

QUANTITIES ARE IN ACRES						
NO.	K5	K6	K7	K8	Z1	K9
WETLAND AREA	.40	.064	.006	.009	.007	.40
WETLAND IMPACT	.023	.064	.006	.009	.007	.0002
TEMP WETLAND IMPACT	.003	0	0	0	0	.002
INDIRECT WETLAND IMPACT	0	0	0	0	0	0
DOE CATEGORY	4	4	4	4	4	3
% WETLAND IMPACT	~6%	100%	100%	100%	100%	~.05%



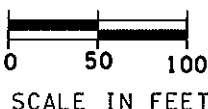
PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006



LEGEND

—	EXISTING DITCH		INDIRECT WETLAND IMPACT
---	EXISTING EDGE OF PAVEMENT		TEMP. IMPACTED WETLAND
----	EXISTING CULVERT		DIRECT WETLAND IMPACT
=====	RIGHT OF WAY BOUNDARY		IMPACTED STREAM
- - - - -	WETLAND BOUNDARY		TEMP. IMPACTED STREAM



NOTE:
1. *WETLAND EXTENDS OUTSIDE
PROJECT VICINITY

QUANTITIES ARE IN ACRES			
NO.	Z2	Z3	Z5
WETLAND AREA	.031	.172	.059
WETLAND IMPACT	.031	.044	.059
TEMP WETLAND IMPACT	0	.004	0
INDIRECT WETLAND IMPACT	0	0	0
DOE CATEGORY	4	3	4
% WETLAND IMPACT	100%	~26%	100%

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006

Washington State
Department of Transportation
SHEET: 33 OF: 51

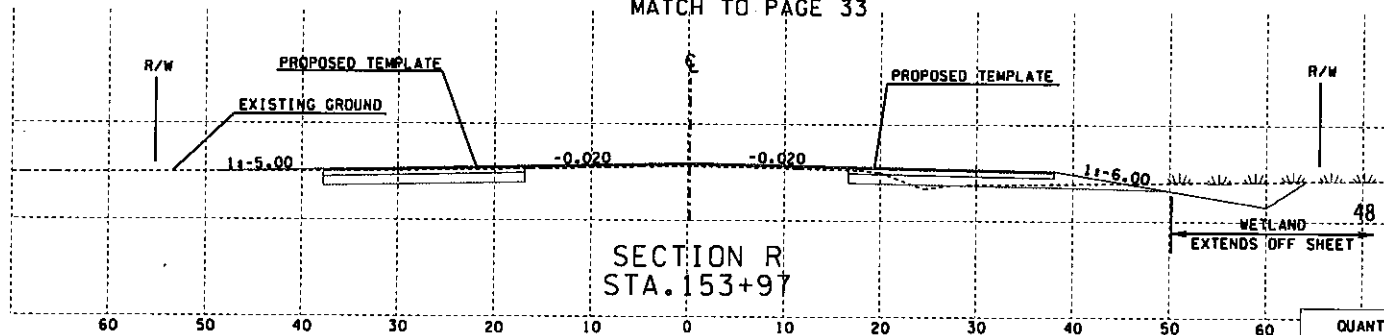
DEAR CREEK DRAINAGE SUBBASIN

WETLAND Z4

WETLAND K2

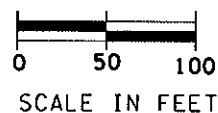
STORMWATER
POND #8

MATCH TO PAGE 33



LEGEND

—> EXISTING DITCH	▨ INDIRECT WETLAND IMPACT
- - - EXISTING EDGE OF PAVEMENT	▨ TEMP. IMPACTED WETLAND
- - - EXISTING CULVERT	▨ DIRECT WETLAND IMPACT
— RIGHT OF WAY BOUNDARY	▨ IMPACTED STREAM
- - - WETLAND BOUNDARY	▨ TEMP. IMPACTED STREAM

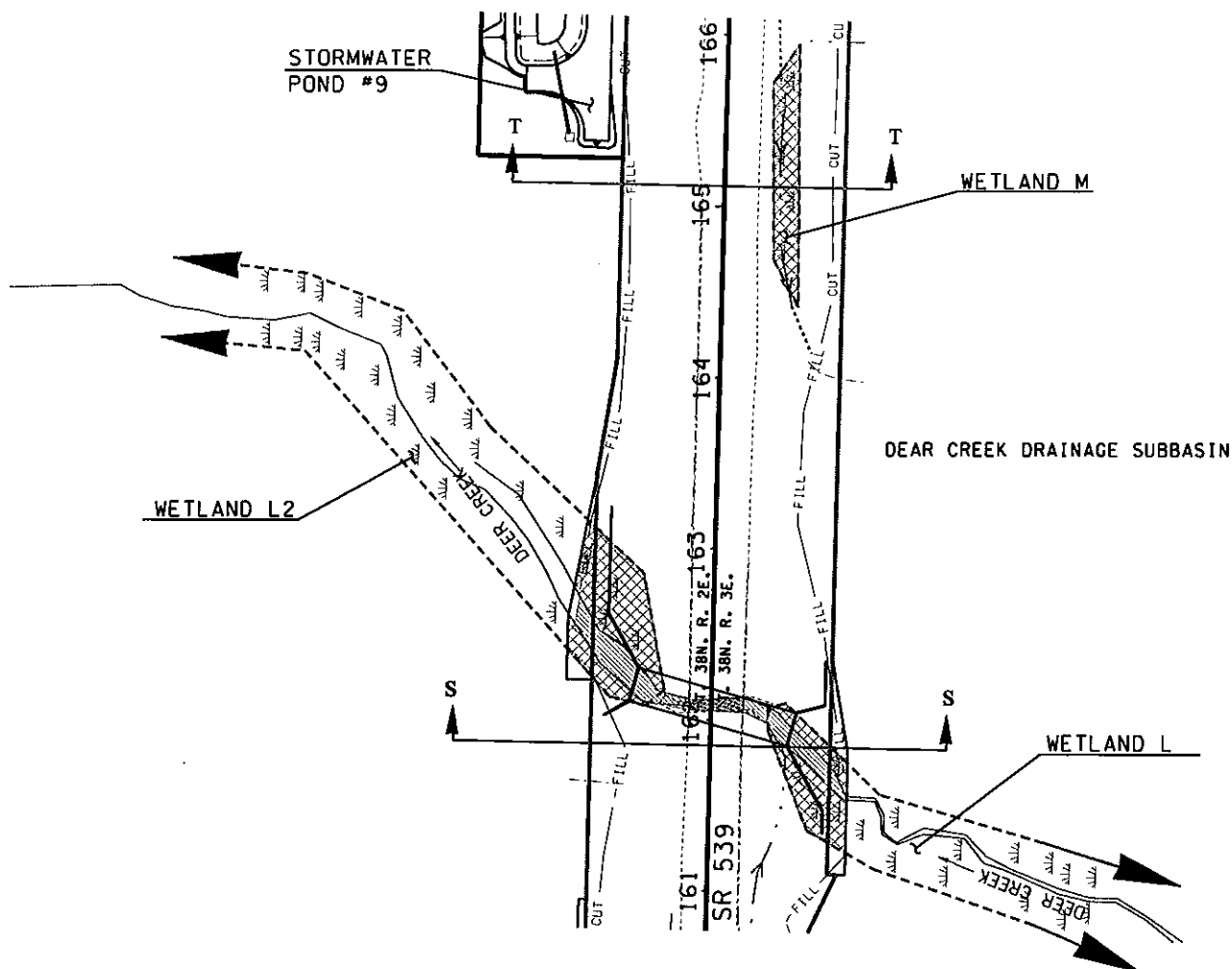


QUANTITIES ARE IN ACRES		
NO.	K2	Z4
WETLAND AREA	.551	.069
WETLAND IMPACT	.267	.069
TEMP WETLAND IMPACT	.213	0
INDIRECT WETLAND IMPACT	0	0
DOE CATEGORY	3	4
% WETLAND IMPACT	48%	100%

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
 PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
 LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
 DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
 ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
 APPLICANT: WSDOT
 COUNTY: WHATCOM
 NEAR: BELLINGHAM
 WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
 DATE: JANUARY 19, 2006


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Department of Transportation
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NOTE:
1. FOR SECTIONS S, T
SEE PAGE 36
2. WETLAND EXTENDS OUTSIDE
PROJECT VICINITY

LEGEND

---	EXISTING DITCH		INDIRECT WETLAND IMPACT
---	EXISTING EDGE OF PAVEMENT		TEMP. IMPACTED WETLAND
---	EXISTING CULVERT		DIRECT WETLAND IMPACT
---	RIGHT OF WAY BOUNDARY		IMPACTED STREAM
---	WETLAND BOUNDARY		TEMP. IMPACTED STREAM

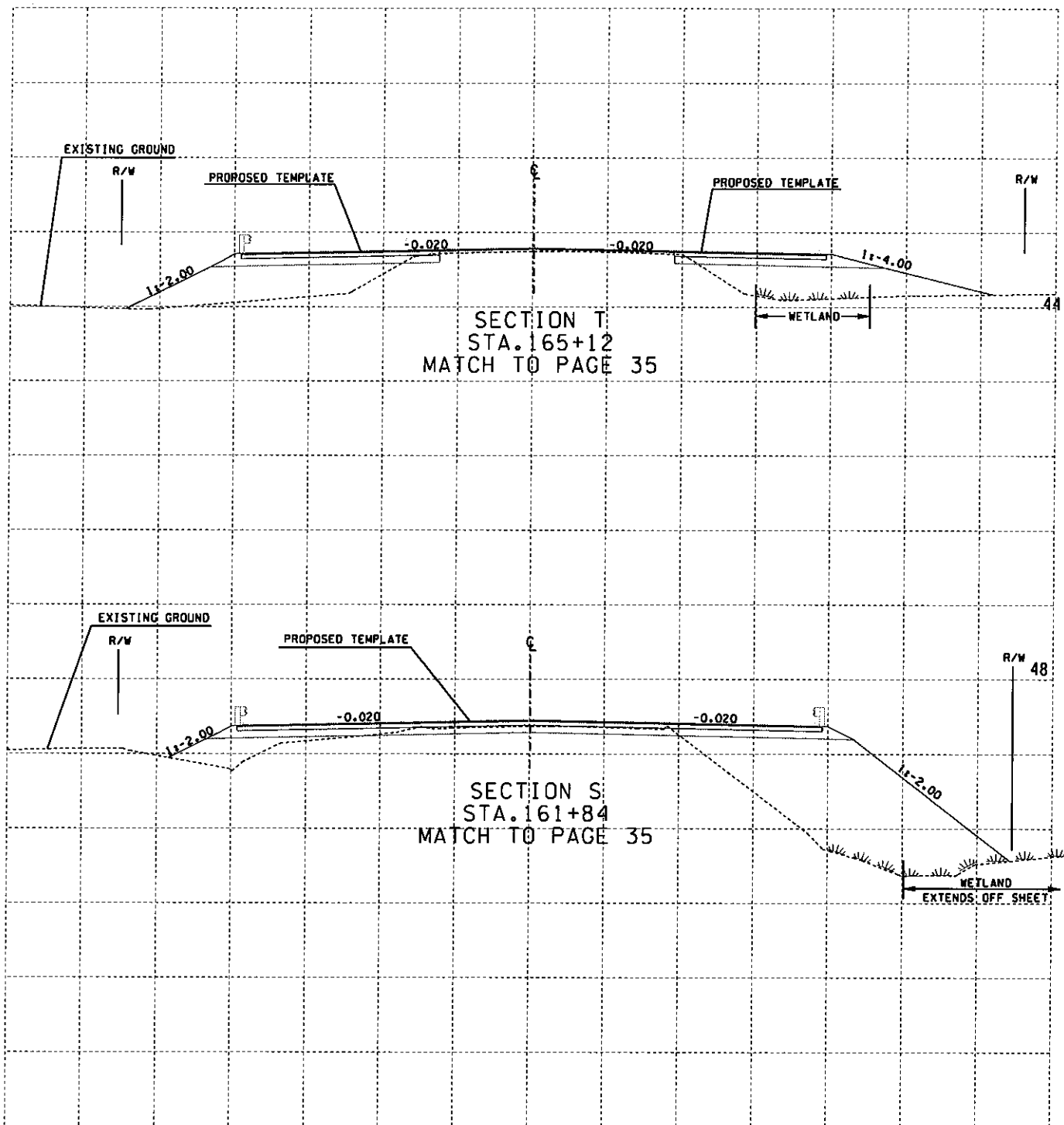
PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEAR CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006

0 50 100
SCALE IN FEET

QUANTITIES ARE IN ACRES				
NO.	L2	L	M	
WETLAND AREA	20.0	20.0	.043	
WETLAND IMPACT	.068	.039	.043	
TEMP WETLAND IMPACT	0	0	0	
STREAM DEER CREEK	0	0	0	
STREAM IMPACT	.04			
TEMP STREAM IMPACT	.005			
DOE CATEGORY	3	2	4	
% WETLAND IMPACT	~.34%	~.19%	100%	

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Department of Transportation
SHEET: 35 OF: 51



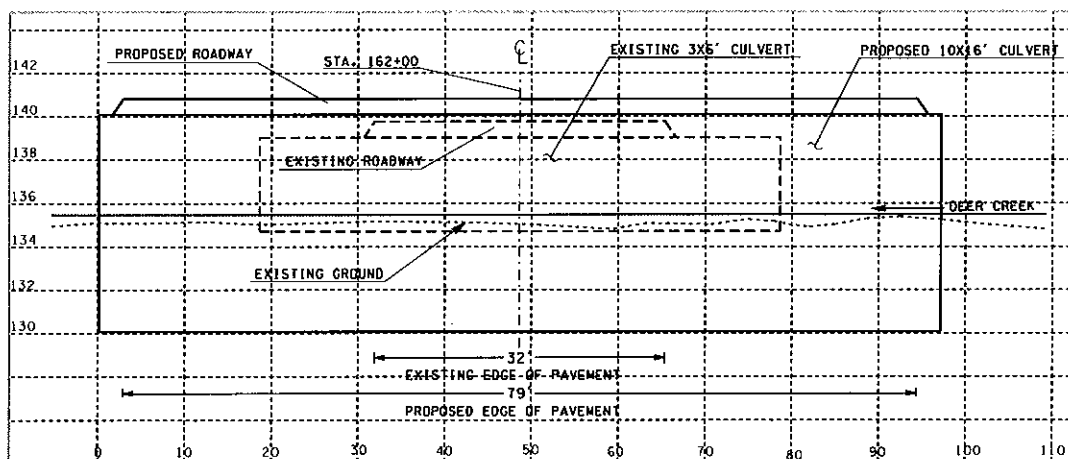
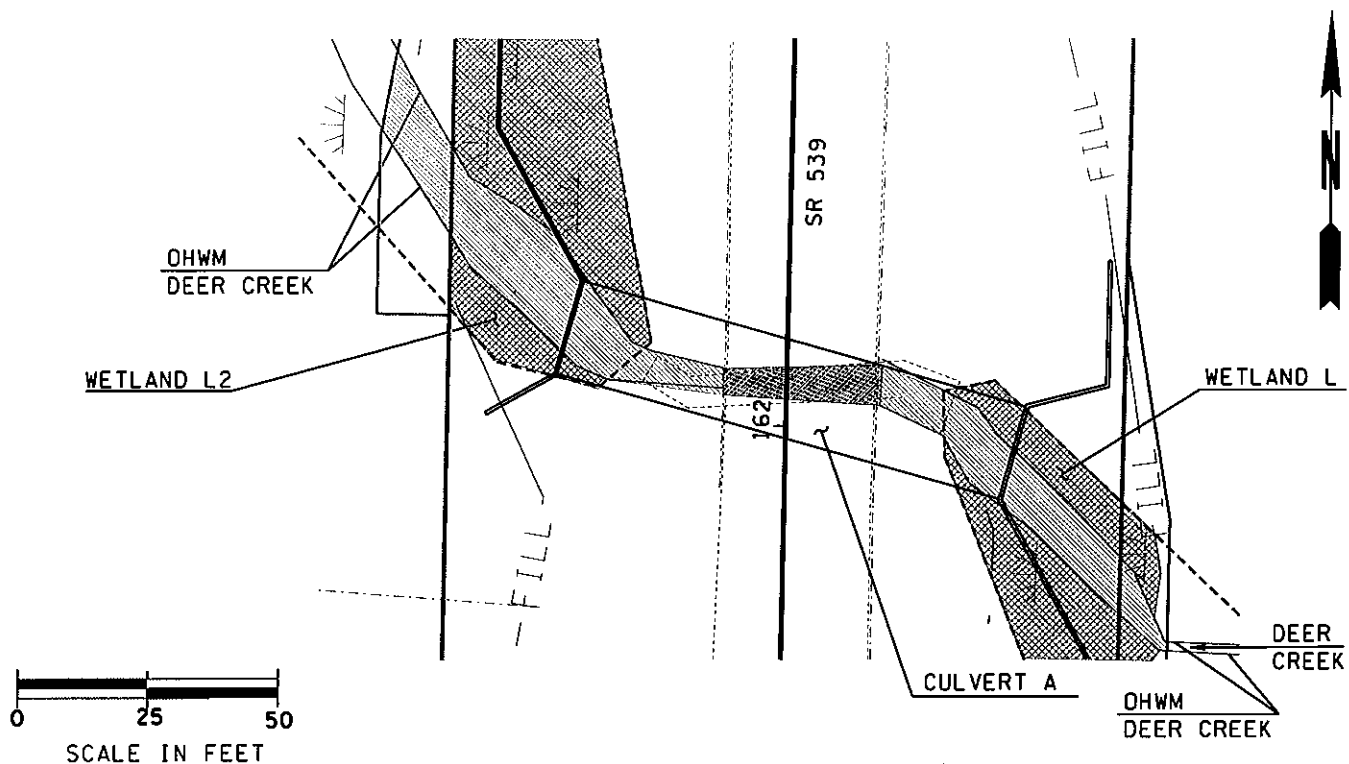
60 50 40 30 20 10 0 10 20 30 40 50 60

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION,
AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT
TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA
ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK,
FOUR MILE CREEK
DATE: JANUARY 19, 2006

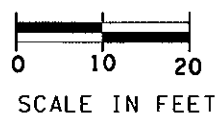


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One existing 32-foot long box culvert would be replaced with a 79-foot long, 10-foot by 20-foot box culvert. The average channel width of Deer Creek is 25.5 feet within 250 feet upstream and downstream of SR 539. About 310 feet of the stream that runs perpendicular to SR 539 will be disturbed to accommodate the new roadway section and replacement of the box culvert.

LEGEND	
--->	EXISTING DITCH
----	EXISTING EDGE OF PAVEMENT
-----	EXISTING CULVERT
=====	RIGHT OF WAY BOUNDARY
-----	WETLAND BOUNDARY
[Pattern]	INDIRECT WETLAND IMPACT
[Pattern]	TEMP. IMPACTED WETLAND
[Pattern]	DIRECT WETLAND IMPACT
[Pattern]	IMPACTED STREAM
[Pattern]	TEMP. IMPACTED STREAM

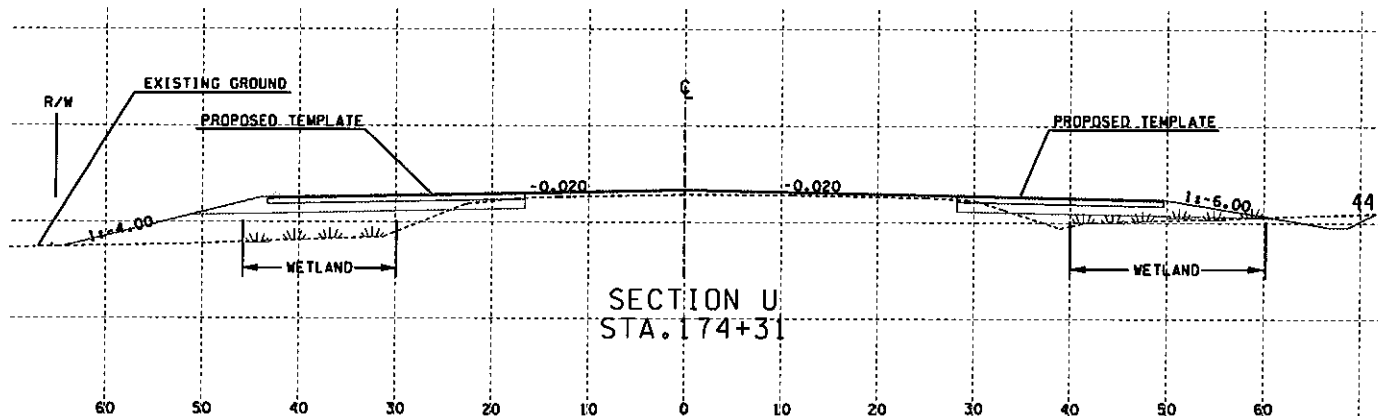
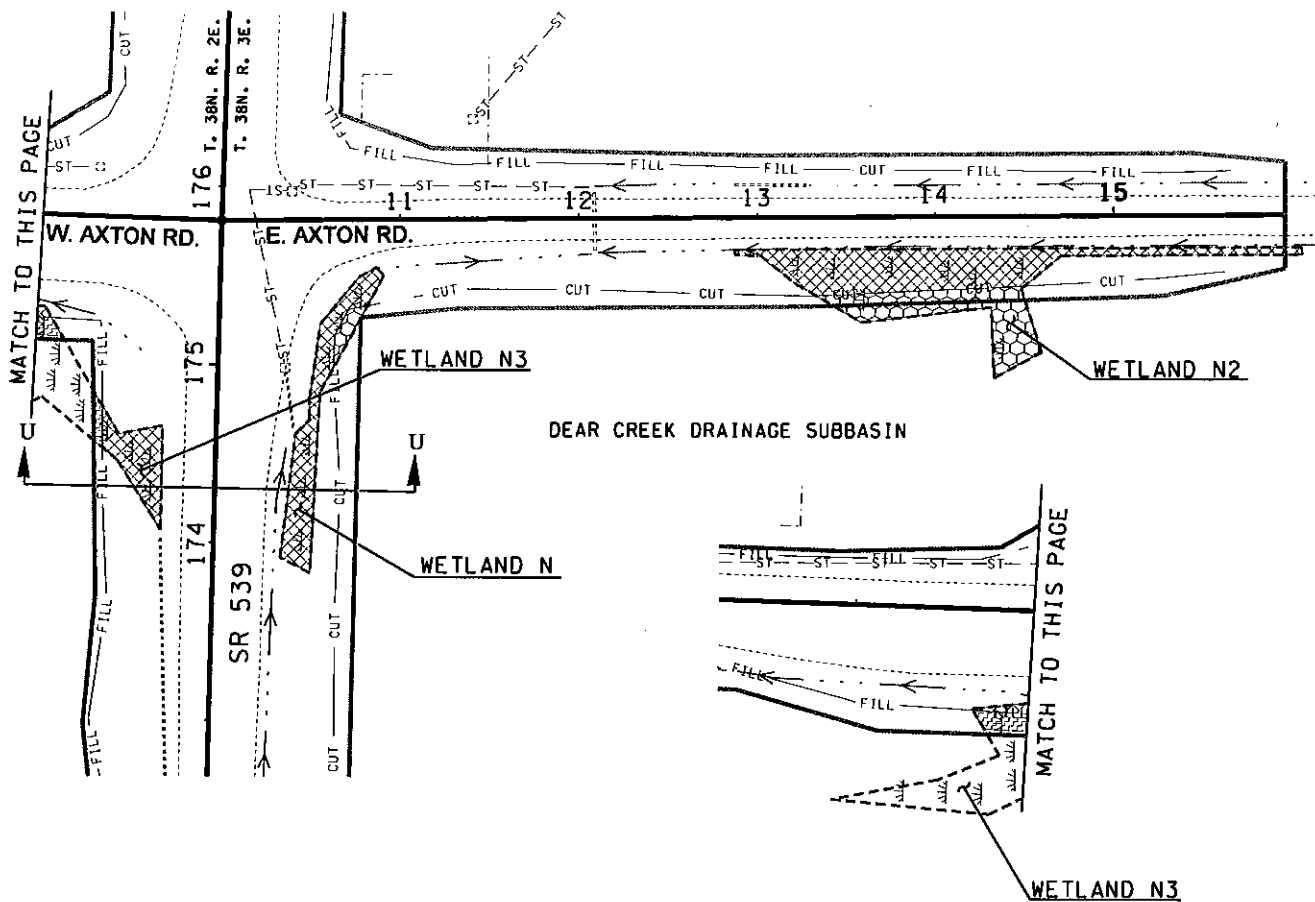


NOTE:
1. FOR DEER CREEK IMPACTS
SEE PAGE 35
2. FOR WETLAND L2 & L1
QUANTITIES SEE PAGE 35

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

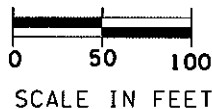
REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006


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Department of Transportation
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LEGEND

--->---	EXISTING DITCH		INDIRECT WETLAND IMPACT
-----	EXISTING EDGE OF PAVEMENT		TEMP. IMPACTED WETLAND
-----	EXISTING CULVERT		DIRECT WETLAND IMPACT
=====	RIGHT OF WAY BOUNDARY		IMPACTED STREAM
-----	WETLAND BOUNDARY		TEMP. IMPACTED STREAM

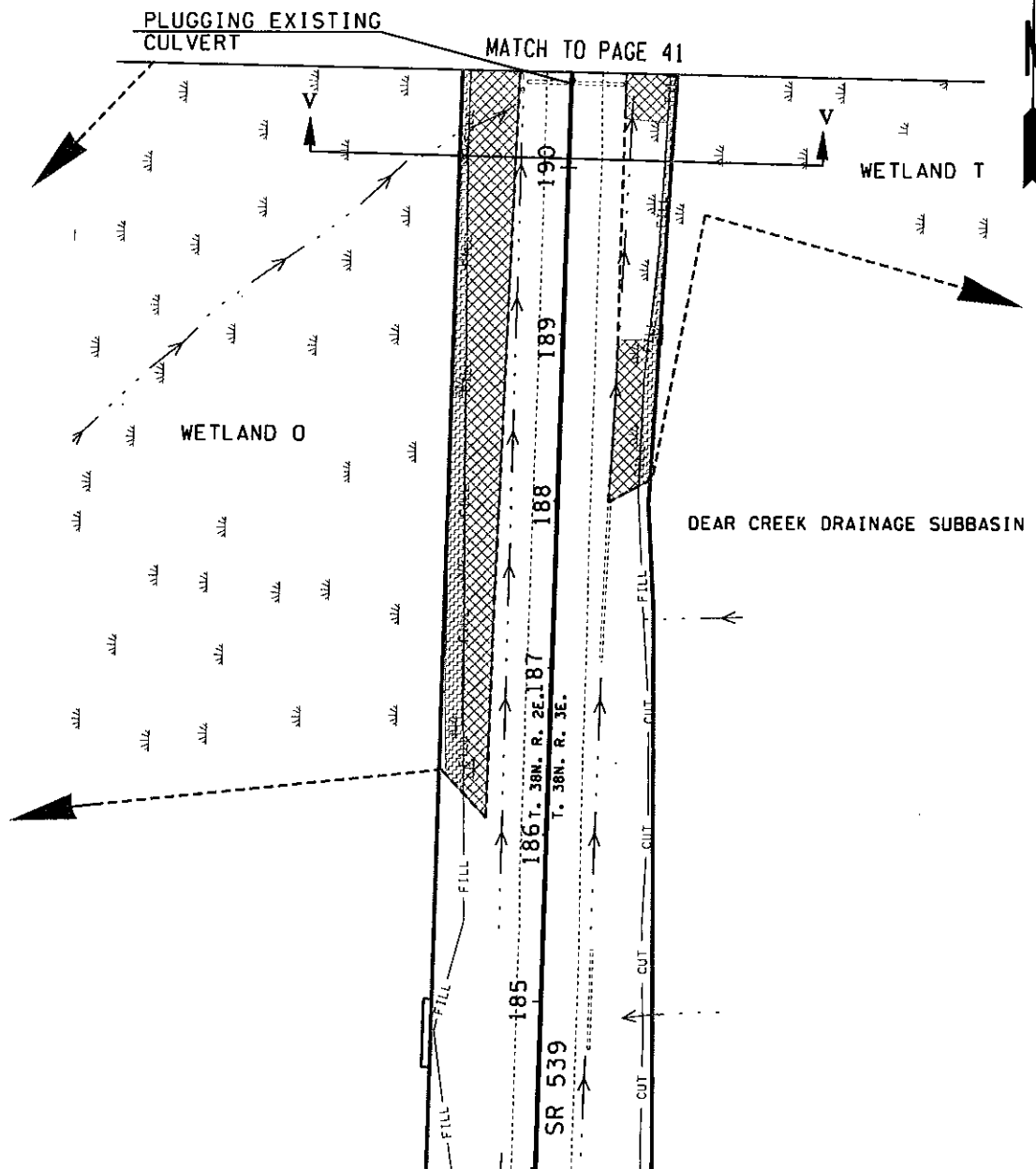


PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
 PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
 LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
 ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
 APPLICANT: WSDOT
 COUNTY: WHATCOM
 NEAR: BELLINGHAM
 WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
 DATE: JANUARY 19, 2006

QUANTITIES ARE IN ACRES

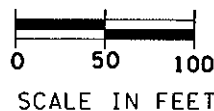
NO.	N	N2	N3
WETLAND AREA	.052	.145	.115
WETLAND IMPACT	.046	.096	.029
TEMP WETLAND IMPACT	0	0	.012
INDIRECT WETLAND IMPACT	.006	.049	0
DOE CATEGORY	4	3	4
% WETLAND IMPACT	100%	100%	25%



LEGEND

→	EXISTING DITCH		INDIRECT WETLAND IMPACT
---	EXISTING EDGE OF PAVEMENT		TEMP. IMPACTED WETLAND
----	EXISTING CULVERT		DIRECT WETLAND IMPACT
----	RIGHT OF WAY BOUNDARY		IMPACTED STREAM
----	WETLAND BOUNDARY		TEMP. IMPACTED STREAM

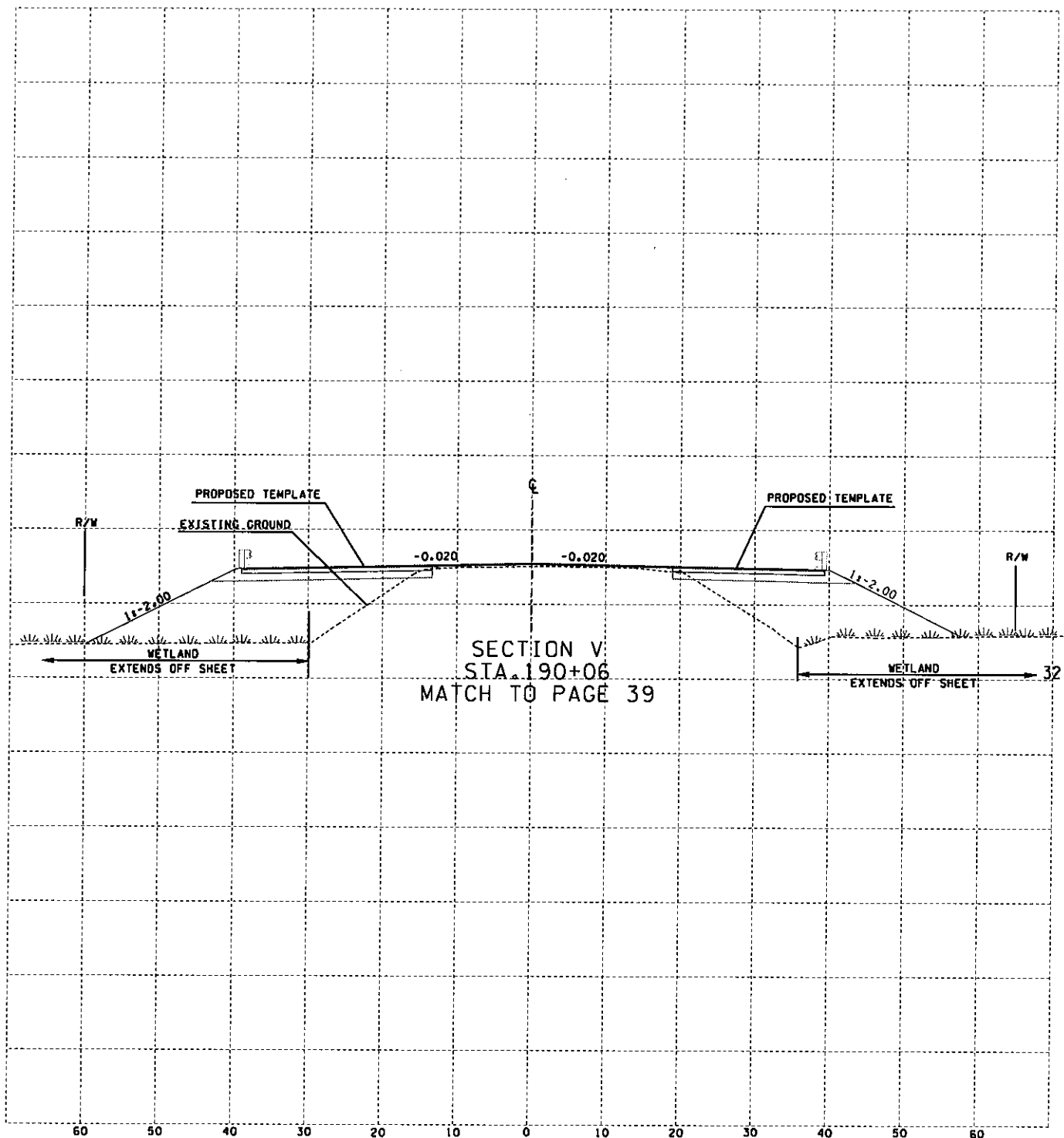
PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT 8



REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006

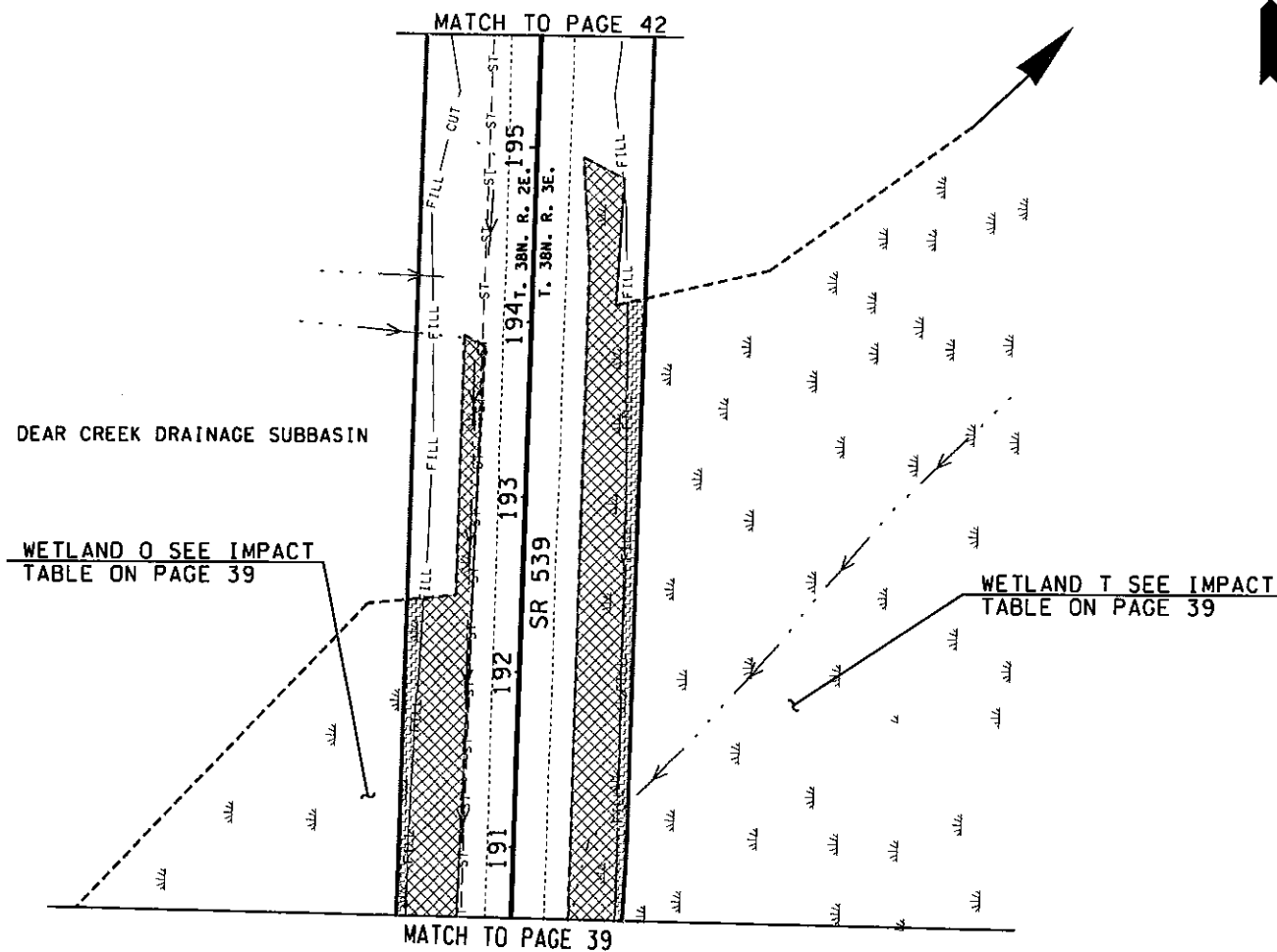
NOTE:
 1. FOR SECTIONS V
 SEE PAGE 40

QUANTITIES ARE IN ACRES		
NO.	O	T
WETLAND AREA	5.00	4.00
WETLAND IMPACT	.384	.358
TEMP WETLAND IMPACT	.106	.089
INDIRECT WETLAND IMPACT	0	0
DOE CATEGORY	3	3
% WETLAND IMPACT	8%	9%

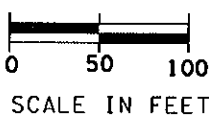


PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
 PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
 LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
 DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
 ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
 APPLICANT: WSDOT
 COUNTY: WHATCOM
 NEAR: BELLINGHAM
 WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
 DATE: JANUARY 19, 2006

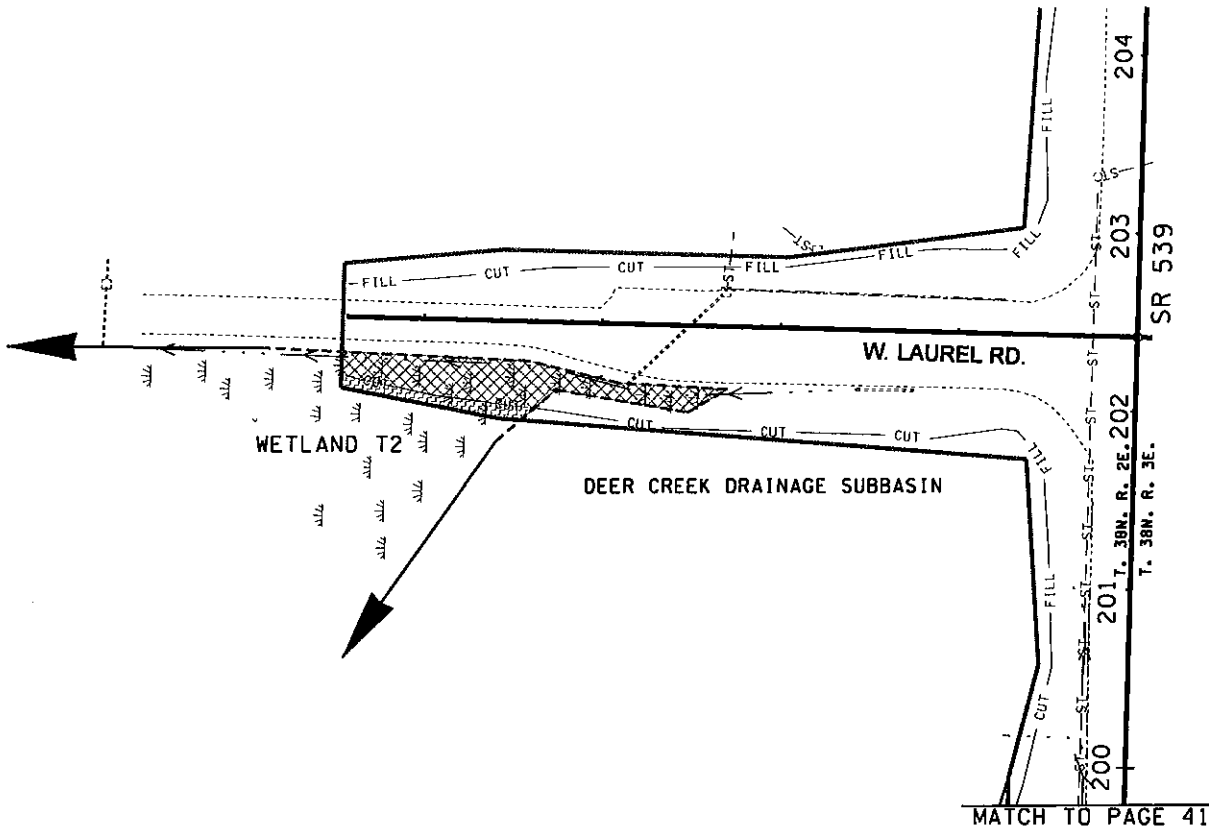


LEGEND			
	EXISTING DITCH		INDIRECT WETLAND IMPACT
	EXISTING EDGE OF PAVEMENT		TEMP. IMPACTED WETLAND
	EXISTING CULVERT		DIRECT WETLAND IMPACT
	RIGHT OF WAY BOUNDARY		IMPACTED STREAM
	WETLAND BOUNDARY		TEMP. IMPACTED STREAM



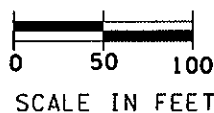
PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006



—————→	EXISTING DITCH		INDIRECT WETLAND IMPACT
- - - - -	EXISTING EDGE OF PAVEMENT		TEMP. IMPACTED WETLAND
- - - - -	EXISTING CULVERT		DIRECT WETLAND IMPACT
=====	RIGHT OF WAY BOUNDARY		IMPACTED STREAM
=====	WETLAND BOUNDARY		TEMP. IMPACTED STREAM

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK,
FOUR MILE CREEK
DATE: JANUARY 19, 2006

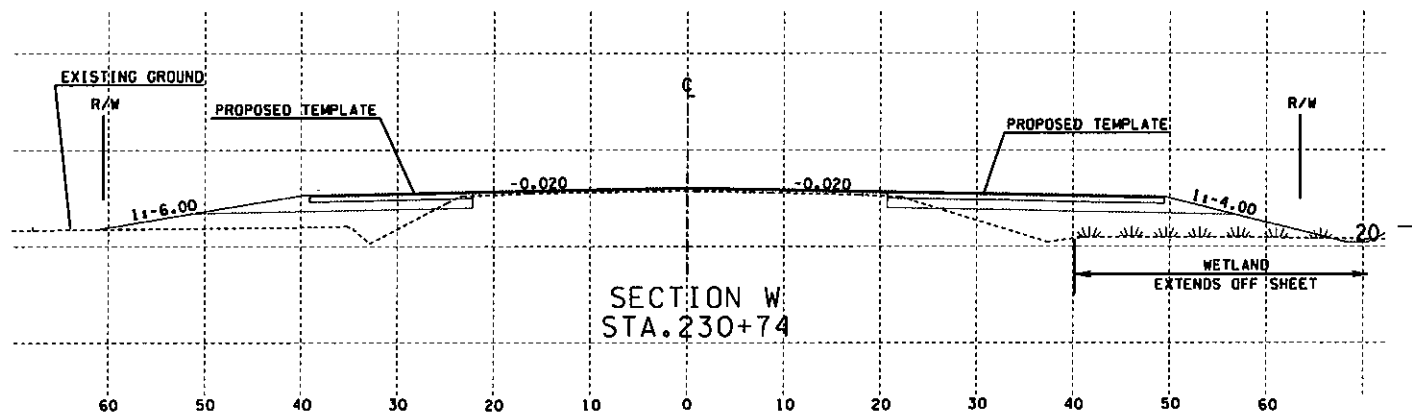
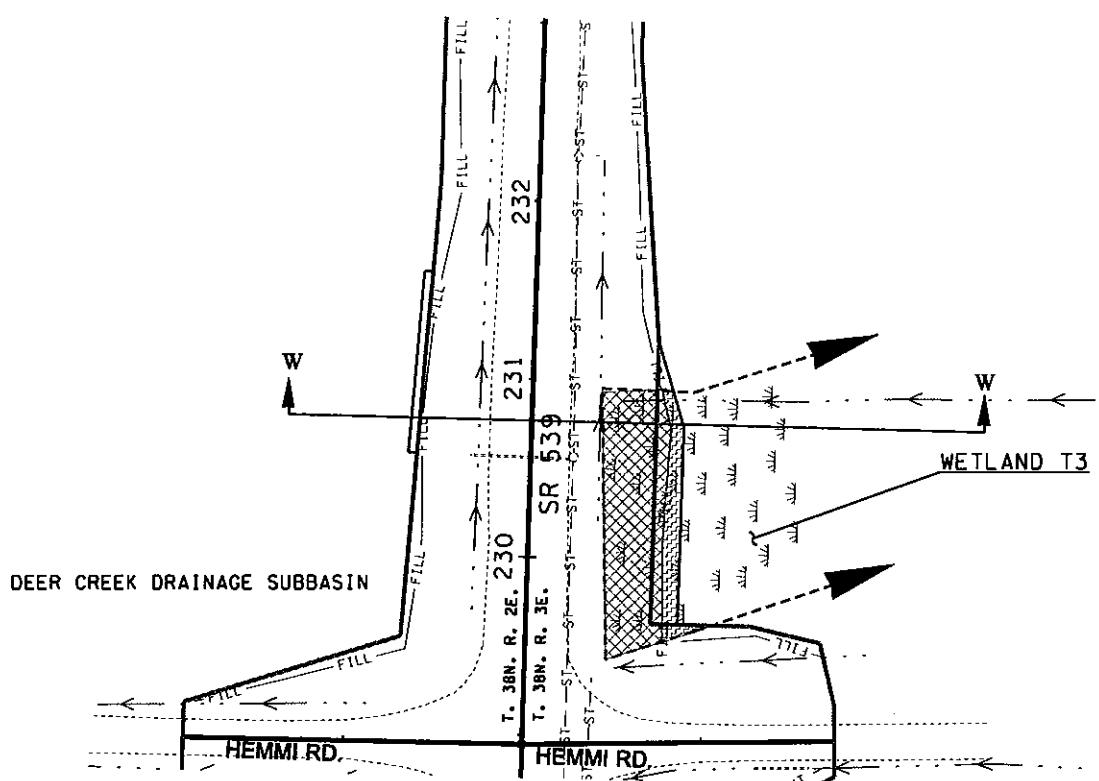


QUANTITIES ARE IN ACRES	
NO.	T2
WETLAND AREA	22.0
WETLAND IMPACT	.081
TEMP WETLAND IMPACT	-.016
INDIRECT WETLAND IMPACT	0
DOE CATEGORY	3
% WETLAND IMPACT	.37%

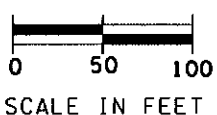


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LEGEND	
	EXISTING DITCH
	EXISTING EDGE OF PAVEMENT
	EXISTING CULVERT
	RIGHT OF WAY BOUNDARY
	WETLAND BOUNDARY
	INDIRECT WETLAND IMPACT
	TEMP. IMPACTED WETLAND
	DIRECT WETLAND IMPACT
	IMPACTED STREAM
	TEMP. IMPACTED STREAM

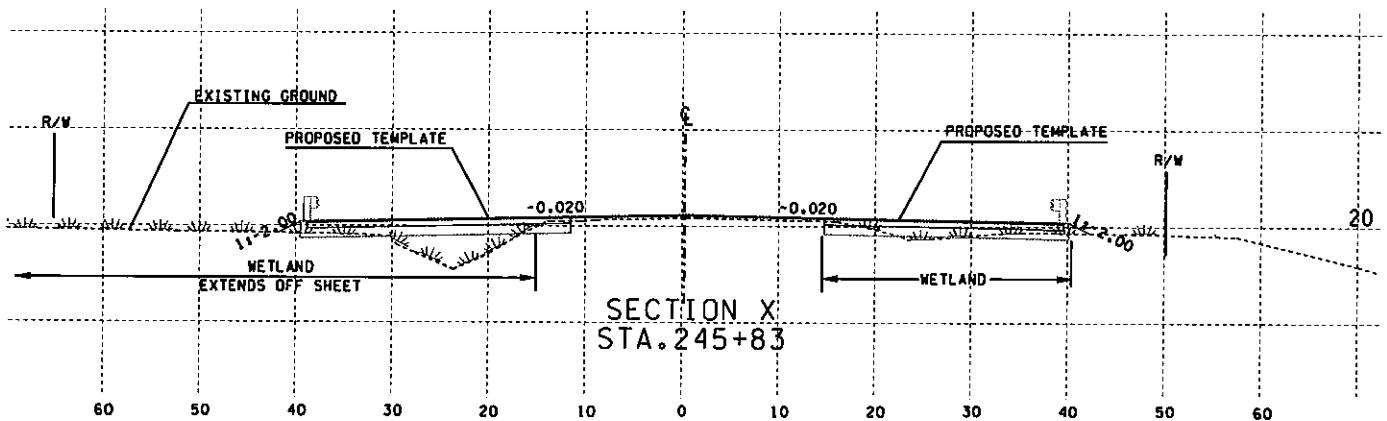
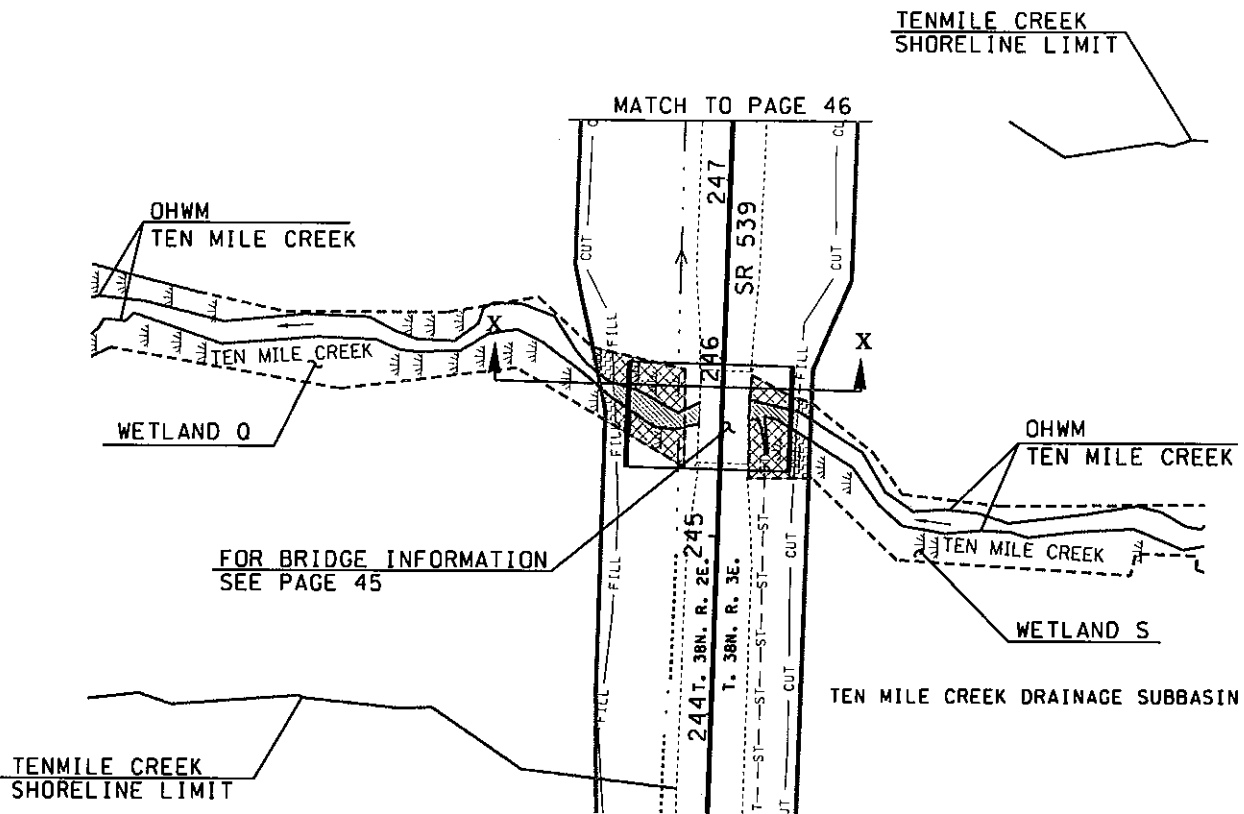


QUANTITIES ARE IN ACRES	
NO.	T3
WETLAND AREA	1.0
WETLAND IMPACT	.115
TEMP. WETLAND IMPACT	.031
INDIRECT WETLAND IMPACT	0
DOE CATEGORY	4
% WETLAND IMPACT	~12%

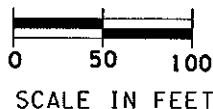
NOTE:
1. WETLAND EXTENDS OUTSIDE PROJECT VICINITY

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006



LEGEND	
--->	EXISTING DITCH
----	EXISTING EDGE OF PAVEMENT
-----	EXISTING CULVERT
----	RIGHT OF WAY BOUNDARY
----	WETLAND BOUNDARY
[Pattern]	INDIRECT WETLAND IMPACT
[Pattern]	TEMP. IMPACTED WETLAND
[Pattern]	DIRECT WETLAND IMPACT
[Pattern]	IMPACTED STREAM
[Pattern]	TEMP. IMPACTED STREAM



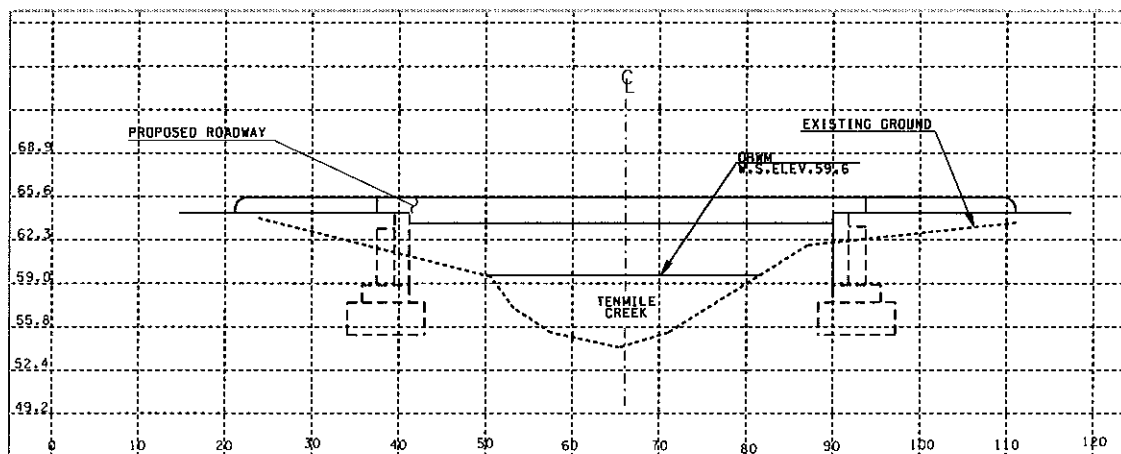
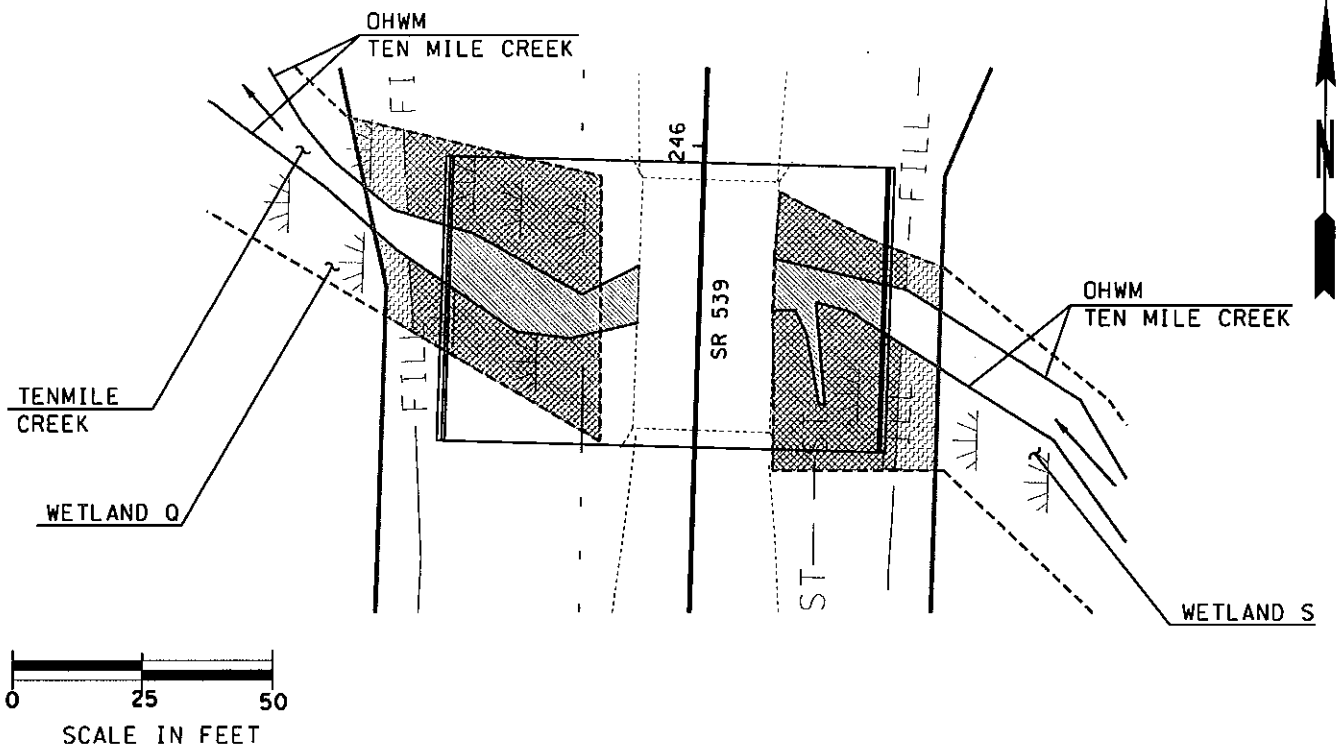
NOTE:
1. WETLAND EXTENDS OUTSIDE PROJECT VICINITY

QUANTITIES ARE IN ACRES		QUANTITIES ARE IN ACRES	
NO.		0	S
WETLAND AREA		*30.0	*30.0
WETLAND IMPACT		.032	.025
TEMP. WETLAND IMPACT		.006	.006
INDIRECT WETLAND IMPACT		0	0
WETLAND CATEGORY		3	3
% WETLAND IMPACT		~11%	~.08%

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE CREEK
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006


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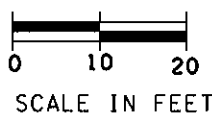


TENMILE CREEK BRIDGE

The proposed bridges over Tenmile Creek and Fourmile Creek will provide greater flow capacity and eliminate pier scour. The existing bridges are supported on rows of wooden pilings that lay within the OHW lines of the streams. These bridges would be replaced with 53-foot wide cast-in-place structures that span each channel. The bottom of each bridge will be 1 foot above the 100-year flood elevation.

LEGEND

—>	EXISTING DITCH	[Pattern]	INDIRECT WETLAND IMPACT
---	EXISTING EDGE OF PAVEMENT	[Pattern]	TEMP. IMPACTED WETLAND
----	EXISTING CULVERT	[Pattern]	DIRECT WETLAND IMPACT
=====	RIGHT OF WAY BOUNDARY	[Pattern]	IMPACTED STREAM
----	WETLAND BOUNDARY	[Pattern]	TEMP. IMPACTED STREAM



NOTE:
1. FOR TEN MILE CREEK IMPACTS
SEE PAGE 44
2. FOR WETLANDS Q & S QUANTITIES
SEE PAGE 44

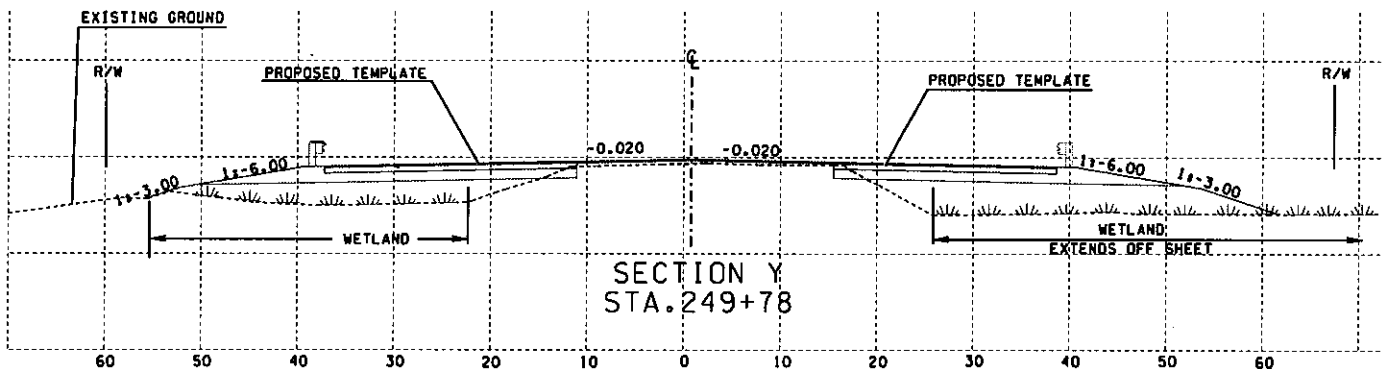
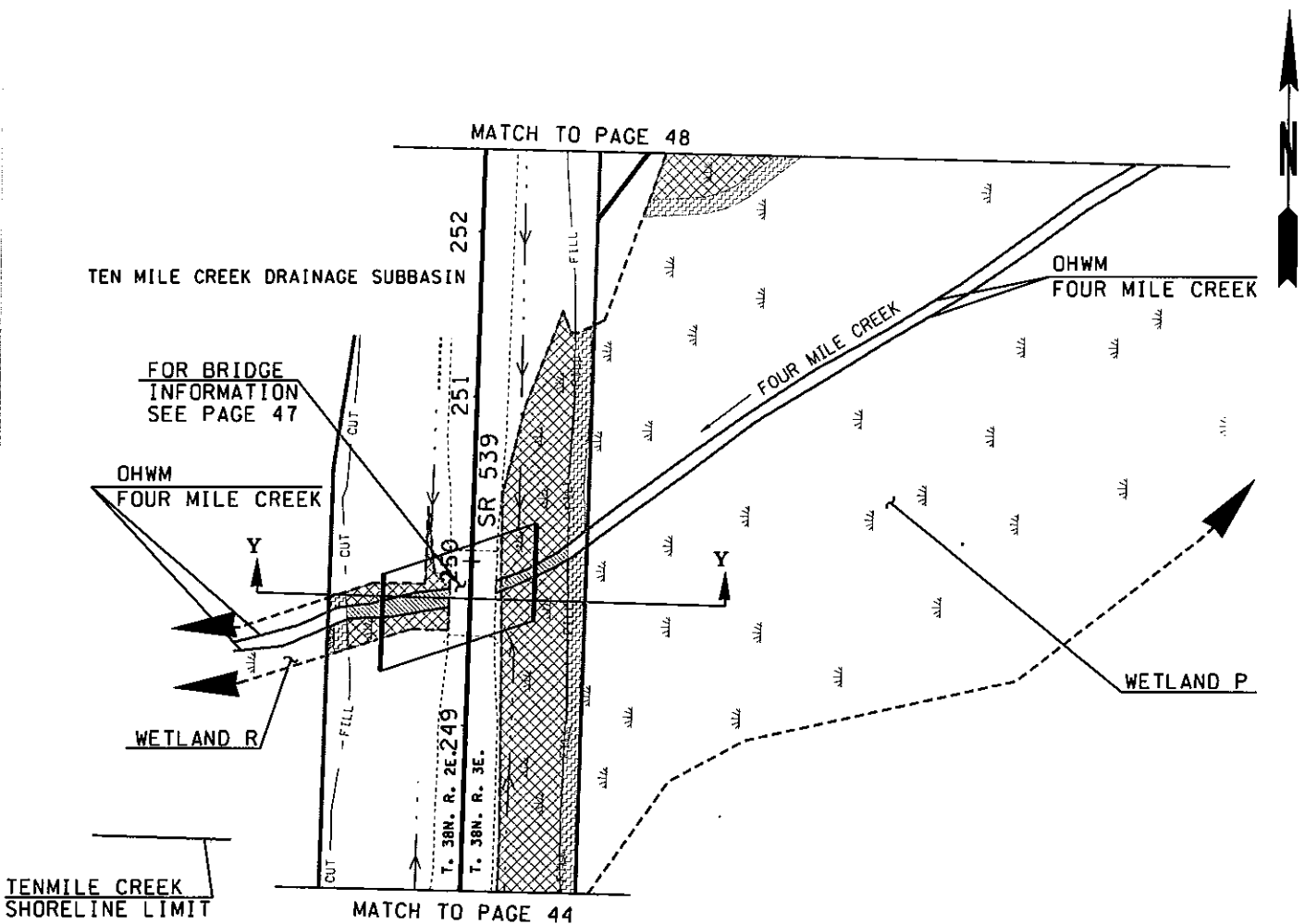
PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006

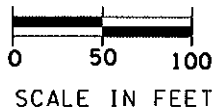


**Washington State
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LEGEND			
---	EXISTING DITCH		INDIRECT WETLAND IMPACT
---	EXISTING EDGE OF PAVEMENT		TEMP. IMPACTED WETLAND
---	EXISTING CULVERT		DIRECT WETLAND IMPACT
---	RIGHT OF WAY BOUNDARY		IMPACTED STREAM
---	WETLAND BOUNDARY		TEMP. IMPACTED STREAM



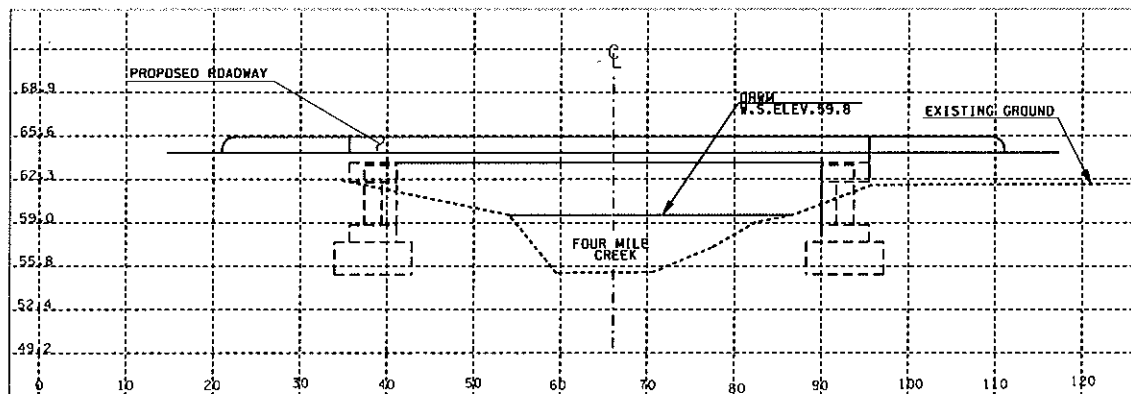
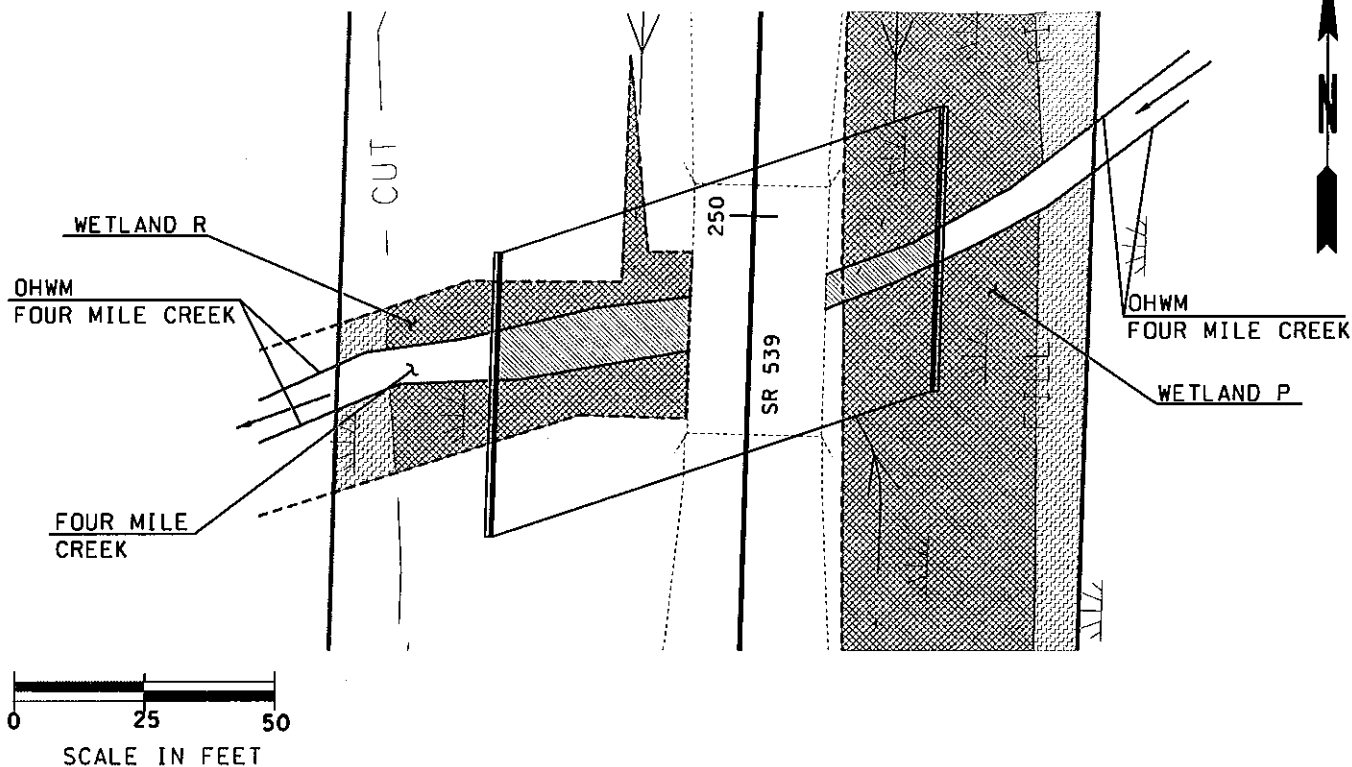
NOTE:
1. WETLAND EXTENDS OUTSIDE PROJECT VICINITY

QUANTITIES ARE IN ACRES		
NO.	R	P
WETLAND AREA	4.5	7.062
WETLAND IMPACT	.033	1.229
TEMP. WETLAND IMPACT	.007	.186
INDIRECT WETLAND IMPACT	0	0
DOE CATEGORY	3	2
% WETLAND IMPACT	~7%	4%

QUANTITIES ARE IN ACRES	
STREAM	FOUR MILE
STREAM IMPACT	.022
TEMP. STREAM IMPACT	0

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

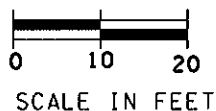
REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006



FOUR MILE CREEK BRIDGE

LEGEND

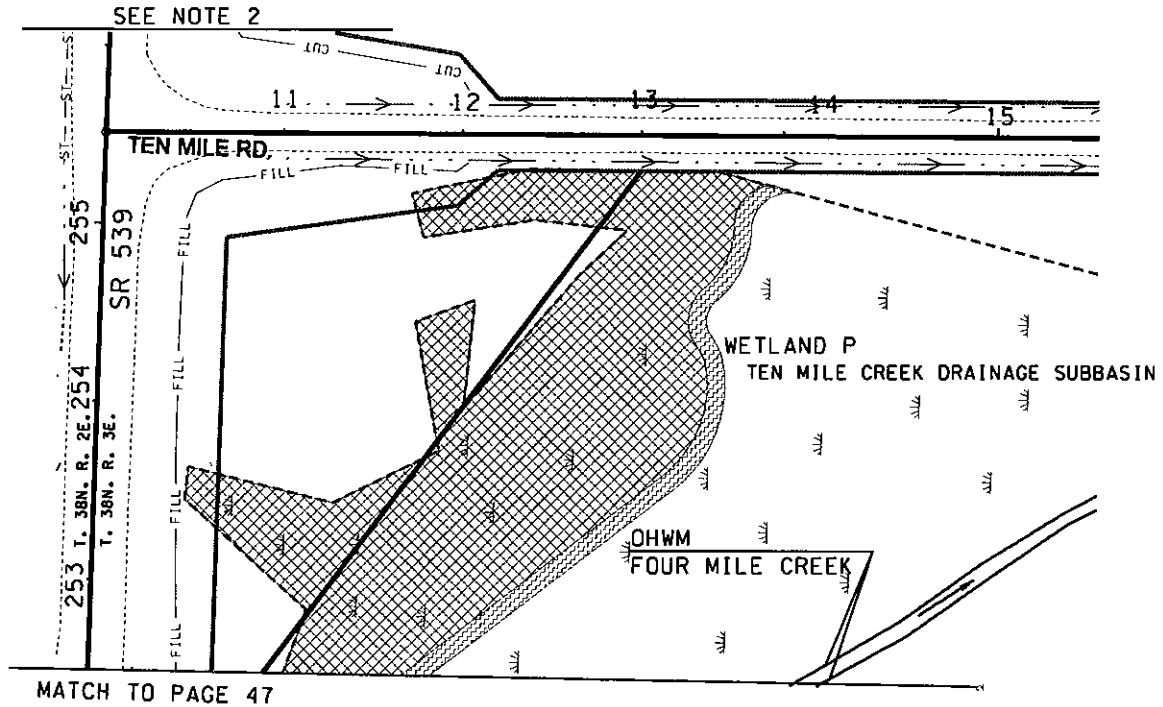
--->	EXISTING DITCH	[Pattern]	INDIRECT WETLAND IMPACT
----	EXISTING EDGE OF PAVEMENT	[Pattern]	TEMP. IMPACTED WETLAND
-----	EXISTING CULVERT	[Pattern]	DIRECT WETLAND IMPACT
=====	RIGHT OF WAY BOUNDARY	[Pattern]	IMPACTED STREAM
-----	WETLAND BOUNDARY	[Pattern]	TEMP. IMPACTED STREAM



NOTE:
1. FOR FOUR MILE CREEK IMPACTS
SEE PAGE 46
2. FOR WETLANDS R & P QUANTITIES
SEE PAGE 46

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

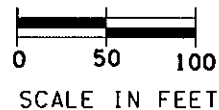
REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006



LEGEND

---	EXISTING DITCH		INDIRECT WETLAND IMPACT
---	EXISTING EDGE OF PAVEMENT		TEMP. IMPACTED WETLAND
---	EXISTING CULVERT		DIRECT WETLAND IMPACT
---	RIGHT OF WAY BOUNDARY		IMPACTED STREAM
---	WETLAND BOUNDARY		TEMP. IMPACTED STREAM

NOTE:
1. FOR WETLAND P QUANTITIES
SEE PAGE 47
2. END OF PROJECT IS AT
STA. 269+00



PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT TURN LANE
LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

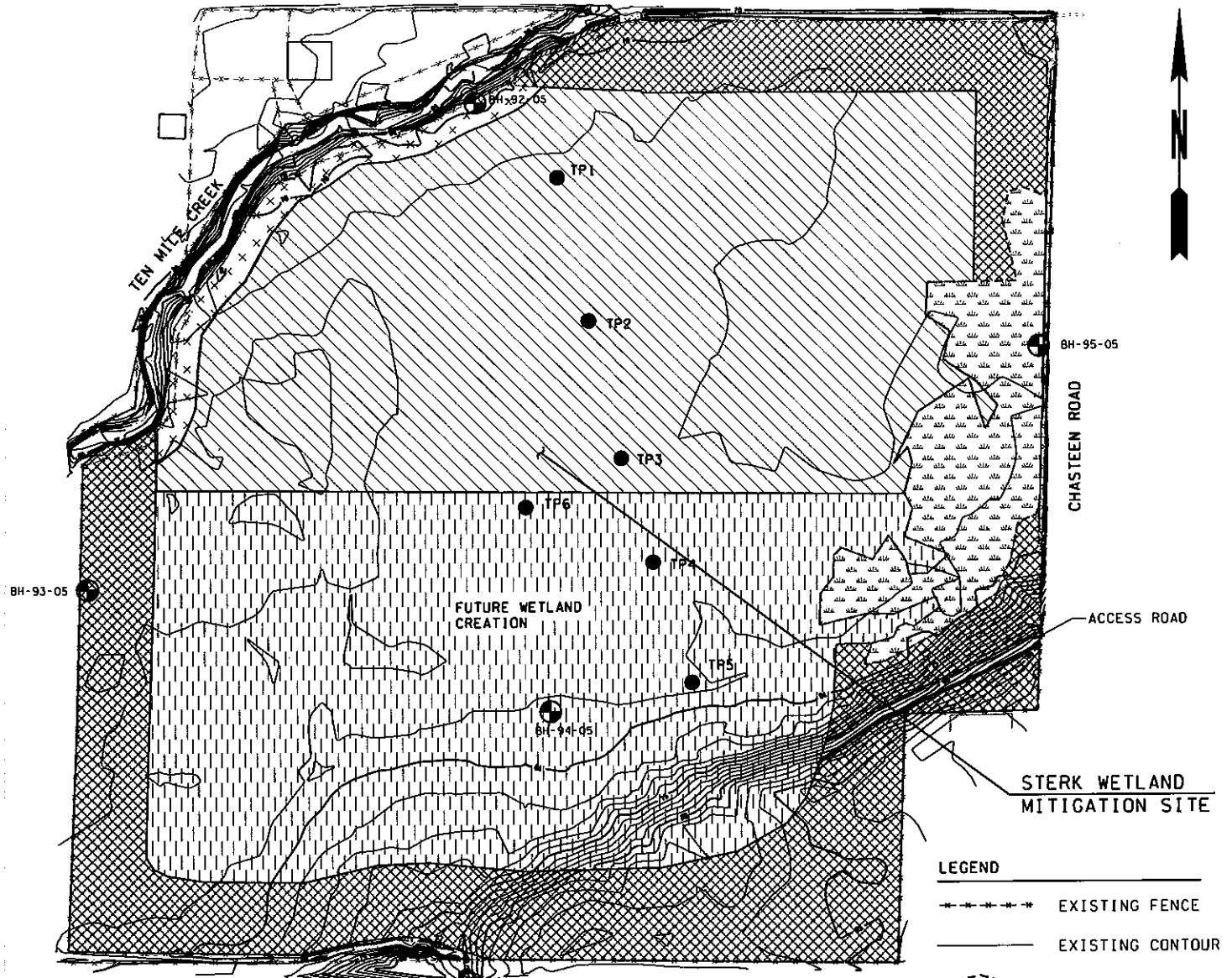
REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
NEAR: BELLINGHAM
WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 19, 2006



Washington State
Department of Transportation

SHEET: 48 OF: 51

TEN MILE ROAD



PLANTING AREAS		
	PFO RE-ESTABLISHMENT/CREATION	1.05 ACRES
	PSS RE-ESTABLISHMENT/CREATION	12.06 ACRES
	BUFFER	7.81 ACRES
	WETLAND ENHANCEMENT	2.04 ACRES
	FUTURE WETLAND RE-ESTABLISHMENT/CREATION	10.59 ACRES

0 100 200
SCALE IN FEET

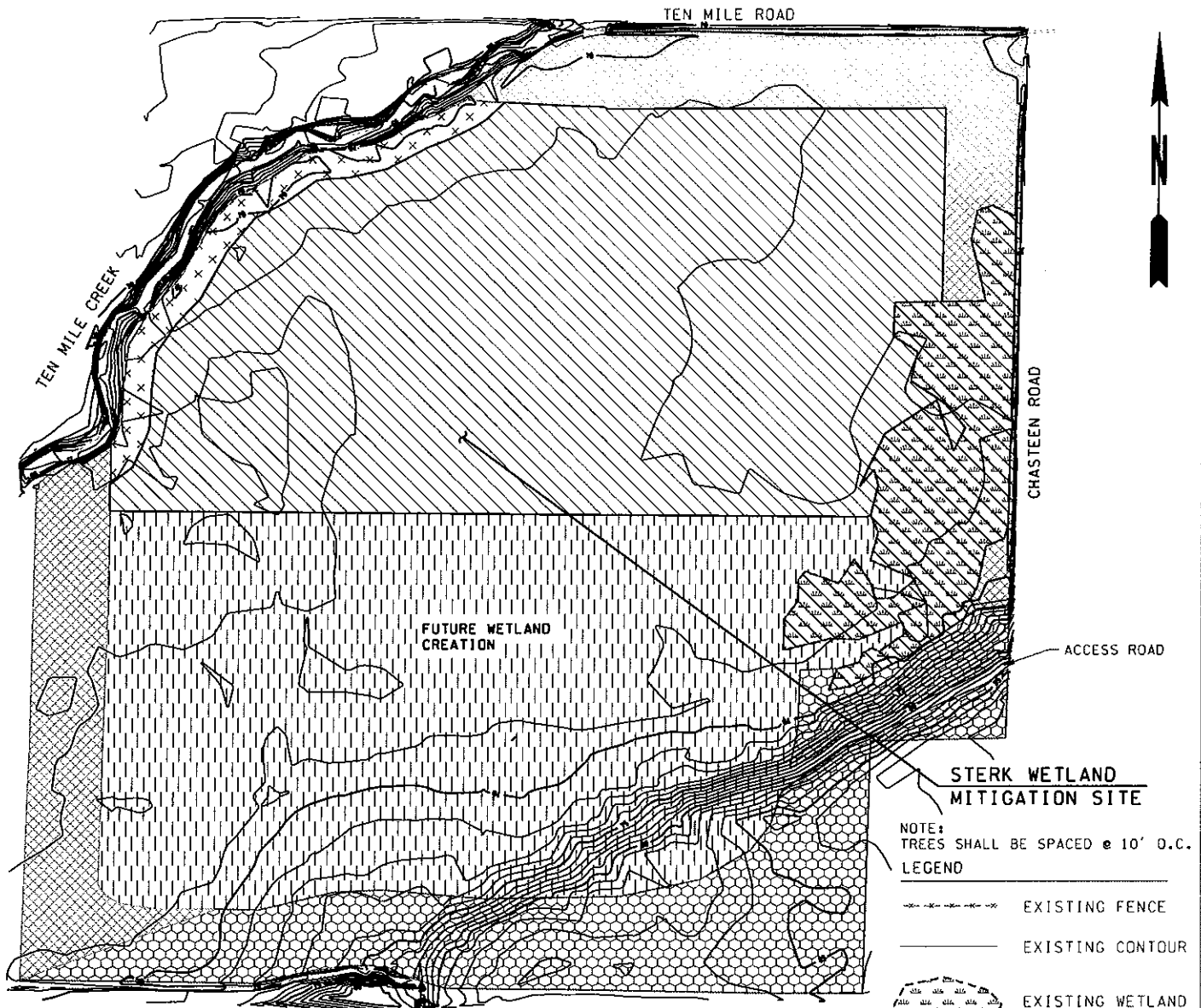
NOTES:

1. SOIL TEST PIT LOCATIONS ARE APPROXIMATE.
 2. PIEZOMETER LOCATIONS ARE APPROXIMATE.
- TOTAL WETLAND RE-ESTABLISHMENT/CREATION = 12.46 ACRES
 TOTAL WETLAND ENHANCEMENT = 2.04 ACRES
 TOTAL BUFFER = 7.81 ACRES
 *NOTE: 1.94 A BUFFER TO BE APPLIED TO FUTURE
 BUFFER IMPACTS FROM SR539 TEN MILE TO BADGER

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION,
 AND IMPROVE SAFETY.
 PROPOSED: WIDEN FROM TWO TO FOUR LANES, ADD LEFT
 TURN LANE
 LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
 DATUM: N.A.D. 83191 (HORIZ) N.A.V.D. 88 (VERT)
 ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA
 ATTACHMENT B

REFERENCE: 200500927
 APPLICANT: WSDOT
 COUNTY: WHATCOM
 NEAR: BELLINGHAM
 WATER BODY: DEER CREEK, TEN MILE CREEK,
 FOUR MILE CREEK
 DATE: JANUARY 18, 2006

Washington State
 Department of Transportation
 SHEET: 49 OF: 51



NOTE:
TREES SHALL BE SPACED @ 10' O.C.
LEGEND

- EXISTING FENCE
- EXISTING CONTOUR
- EXISTING WETLAND
- FUTURE WETLAND CREATION

PLANTING AREAS

SYMBOL	ITEM	%
WETLAND MIX - 5' O.C.		
	BLACK TWINBERRY	15
	CLUSTERED WILD ROSE	15
	PACIFIC WILLOW	10
	RED-OSIER DOGWOOD	20
	SALMONBERRY	25
	SITKA WILLOW	15

RIPARIAN MIX - 5' O.C.

	BLACK COTTONWOOD	5
	PAPER BIRCH	5
	SITKA SPRUCE	10
	WESTERN RED CEDAR	10
	PACIFIC NINEBARK	10
	PACIFIC WILLOW	5
	RED-OSIER DOGWOOD	20
	SALMONBERRY	20
	SITKA WILLOW	15

WET BUFFER MIX - 5' O.C.

	BIGLEAF MAPLE	5
	LODGEPOLE PINE	5
	SITKA SPRUCE	5
	WESTERN RED CEDAR	10
	NOOTKA ROSE	20
	RED ELDERBERRY	10
	SCOUER'S WILLOW	15
	SNOWBERRY	20
	VINE MAPLE	10

DRY BUFFER MIX - 5' O.C.

	BIGLEAF MAPLE	5
	DOUGLAS FIR	10
	WESTERN RED CEDAR	5
	BEAKED HAZELNUT	10
	SERVICEBERRY	15
	SNOWBERRY	20
	THIMBLEBERRY	25
	VINE MAPLE	10

FUTURE WETLAND CREATION

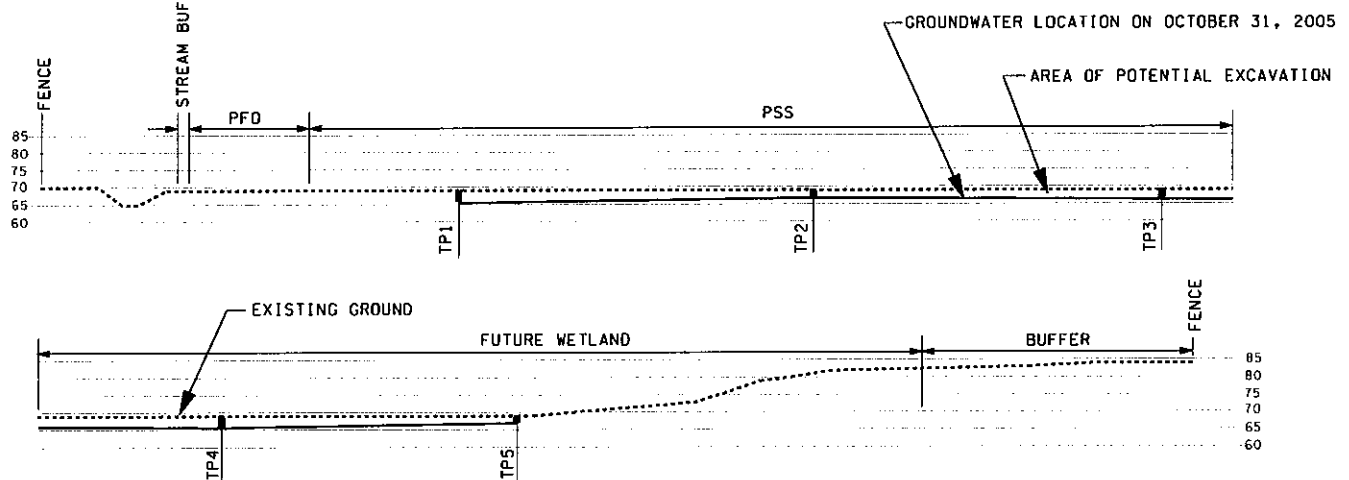
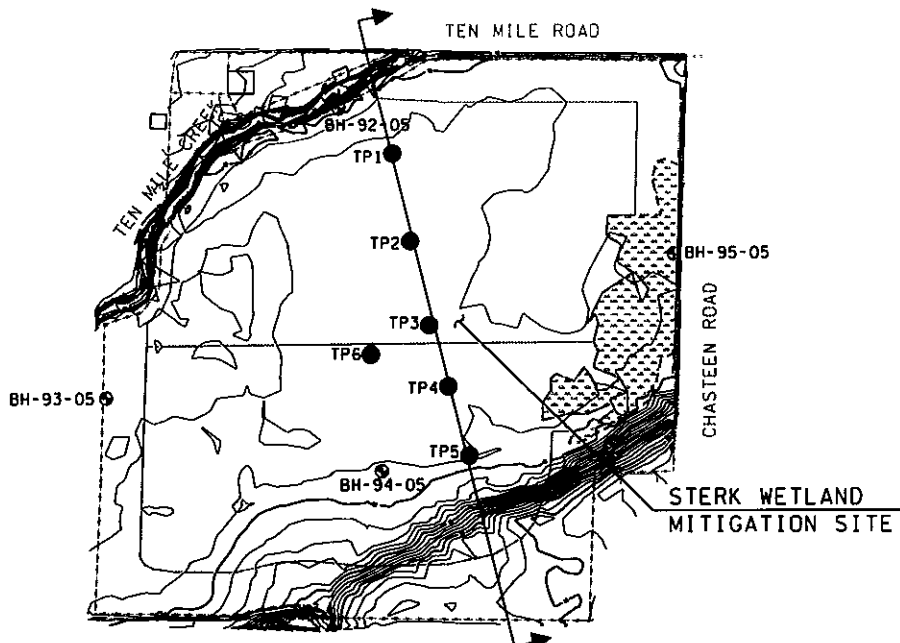
	WETLAND SEED MIX	10.2 ACRES
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PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
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LOCATION: GUIDE MERIDIAN SR 539 HORTON TO TEN MILE
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ADJACENT PROPERTY OWNERS: SEE LIST PROVIDED IN JARPA ATTACHMENT B

REFERENCE: 200500927
APPLICANT: WSDOT
COUNTY: WHATCOM
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WATER BODY: DEER CREEK, TEN MILE CREEK, FOUR MILE CREEK
DATE: JANUARY 18, 2006

0 100 200
SCALE IN FEET

Washington State
Department of Transportation
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TEST PIT DATA

LOCATION	GROUNDWATER ELEVATION	DEPTH BELOW EXISTING GROUND	SOIL DEPTH AND DESCRIPTION
TP1	65.67'	40"	0" - 16" SILTY LOAM (DISTURBED) 16" - 26" PEAT 26" - 40" BROWN SAND 40" + GRAY SAND
TP2	66.67'	28"	0" - 12" SILTY LOAM (DISTURBED) 12" - 30" PEAT 30" - 34" SILTY CLAY LOAM 34" + GRAY SAND
TP3	66.34	32"	0" - 14" SILTY LOAM (DISTURBED) 14" - 28" PEAT WITH WOOD 28" - 32" SILT LOAM 32" + GRAY SAND
TP4	65.67'	40"	0" - 12" SILTY LOAM (DISTURBED) 12" - 24" PEAT 24" - 32" SILT LOAM 32" + GRAY SAND
TP5	67.00	24"	0" - 12" SILTY LOAM (DISTURBED) 12" - 24" PEAT 24" + SAND, GRAVEL AND DRAIN TILE
TP6	67.00	24"	0" - 13" SILTY LOAM (DISTURBED) 13" - 31" PEAT 31" - 38" SILTY LOAM 38" + GRAY SAND

NOTES:

1. SOIL TEST PIT LOCATIONS ARE APPROXIMATE.
2. PIEZOMETER LOCATIONS ARE APPROXIMATE.

LEGEND

- TP1 ● SOIL TEST PIT
- BH-92-05 ● PIEZOMETER

PURPOSE: INCREASE TRAFFIC CAPACITY, REDUCE CONGESTION, AND IMPROVE SAFETY.
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REFERENCE: 200500927

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 FOUR MILE CREEK
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Washington State
 Department of Transportation

SHEET: 51 OF: 51



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
P.O. Box 47600 • Olympia, Washington 98504-7600
(360) 407-6000 • TDD Only (Hearing Impaired) (360) 407-6006

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Notice of Application for
Water Quality Certification
and for
Certification of Consistency with the
Washington Coastal Zone Management Program

Date: March 1, 2006

Notice is hereby given that a request has been filed with the Department of Ecology, pursuant to the requirements of Section 401 of the federal Clean Water Act of 1977 (PL 95-217), to certify that the project described in the U.S. Army Corps of Engineers Public Notice No. 200500927 will comply with the Sections 301, 302, 303, 306, and 307 of the Act, and with applicable provisions of State and Federal water pollution control laws.

Notice is hereby given that a request has been filed with the Department of Ecology, pursuant to the requirements of Section 307© of the Federal Coastal Zone Management Act of 1972 (16 U.S.C. 1451), to certify that the above referenced project will comply with the Washington State Coastal Zone Management Program and that the project will be conducted in a manner consistent with that program.

Any person desiring to present views on the project pertaining to the project on either or both (1) compliance with water pollution control laws or (2) the project's compliance or consistency with the Washington State Coastal Zone Management Program may do so by providing written comments within 30 days of the above publication date to:

Federal Permit Coordinator
Department of Ecology
SEA Program
Post Office Box 47600
Olympia, Washington 98504-7600